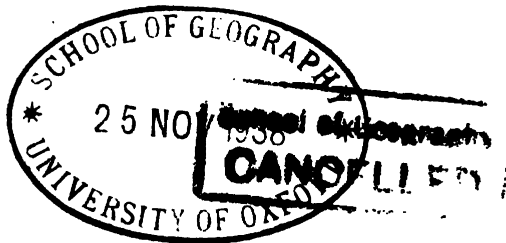


A CATALOGUE

OF

MANUSCRIPT AND PRINTED

REPORTS, FIELD BOOKS, MEMOIRS, MAPS, ETC.,

OF

THE INDIAN SURVEYS,

DEPOSITED IN

THE MAP ROOM

OF THE

INDIA OFFICE.

PRINTED BY ORDER OF
HER MAJESTY'S SECRETARY OF STATE FOR INDIA IN COUNCIL.

LONDON:
SOLD BY W. H. ALLEN & CO., 13, WATERLOO PLACE;
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1878.

(7767.)



A Catalogue of Maps of the British Possessions in India and other parts of Asia, published by order of Her Majesty's Secretary of State for India in Council, was issued in 1870; a continuation of it, including maps subsequently published by the same authority, appeared in 1872; and an alphabetical list of all the published maps on sale in 1874 was printed at that date.

The present Catalogue includes* the whole of the permanent collection deposited in the map room of the India Office. The East India Company required the original manuscripts and drawings of the Indian Surveys to be sent home for their information, and for safe custody. Hence many of the earlier documents which gradually made known the topography of India find a place in this volume, together with various records relating thereto.

In the Catalogue of 1870, the spelling of the names of places in the headings of the Catalogue, was in accordance with Thornton's Gazetteer of India, for the purpose of facilitating reference to that work, as the only one of the kind in print. The spelling of names in the titles of the maps, &c. was copied from the actual titles for the sake of identification. This explanation accounted for the variations of spelling, which could not fail to be noticed.

Since 1870, measures have been taken by the Government of India for the establishment of an authorised spelling of the names of places in India, the last result of which is contained in notifications fixing the orthography to a limited extent in the Lower Provinces of Bengal, the North-west Provinces, Oudh, the Punjab, the Central Provinces, the Hyderabad Assigned Districts, Mysore, Coorg, Assam, and the Bombay Presidency. Similar lists are expected for the Rajputana Agency,† the Central India Agency, Hyderabad, British Burma, the Munipur Agency, the Andaman and Nicobar Islands, the Madras Presidency, and the French and Portuguese territories. Upon the final approval and publication of the whole series an amalgamated alphabetical index is to follow.

In the meantime the spelling of the headings and contents of this Catalogue has been made concordant with the lists already fixed by

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* Besides the published and saleable maps which are also included in a separate printed Catalogue.

† Since received, and applied to the following Contents and Index. But the spelling in the headings of the Catalogue itself, follows previous orders.

local governments and approved by the Government of India, as far as they go; but with regard to the governments for which the local lists are not yet issued, the names are given according to Dr. Hunter's lists, the use of which had formerly been ordered, and the order seems only to be rescinded so far as the new lists are applicable. The expected lists will probably restore many of the old anglicised names, their more ample retention having been suggested by the Secretary of State.

The arrangement of this Catalogue is based on the current Administrative Divisions of all India, of which there is a list in the contents. Maps and memoirs of the antiquated and obsolete divisions are placed with those which have superseded them, each group being arranged chronologically. Thus, whatever light is contained in the collection is brought to bear upon the administrative divisions of India at the date of publication, as far as possible. Sometimes, however, the form and connexion of the materials does not admit of such a distribution, as in the case of atlases, general maps, and special collections or serials. An alphabetical index, with the contents, facilitates reference.

INDIA OFFICE,
February, 1878.

CONTENTS.

FIRST PART.—SURVEYS AND MAPS OF INDIA.

THE INDIAN SURVEYS.

THE INDIAN ATLAS,

GENERAL MAPS, MEMOIRS, AND ATLASES OF INDIA.

MAPS OF THE CIVIL DIVISIONS OF INDIA,

UNDER THE THREE PRESIDENCIES OF

BENGAL, MADRAS, AND BOMBAY.

Arranged as far as they exist according to the following list, which names all the British Governments with their Divisions and Districts;—the Political Agencies with their Sub-agencies and Native Principalities;—and the Foreign Territories;—including the whole of India. It will thus be seen how far every part of India is mapped, while an ordinary contents would fail to supply the same means of understanding

standing the collection, or the great subject upon which it throws so much light. The list only descends to Divisions and Districts, but the Maps often represent Sub-districts or Pergunnahs, Talooks, etc., and also the cities, towns, and villages.

Note.—When the chief town is not of the same name as the district it is added in parentheses ( ). This must not be mistaken for an alternative name for the district. When there is no number referring to the page of the Catalogue, it is because there are no special maps of the locality, which may nevertheless be well represented in some of the general maps.

I.

BENGAL PRESIDENCY.

Under the Governor-General of India in Council (also Governor of the Presidency of Fort William in Bengal) including the following subordinate Governments :—

1. *Bengal*, under a Lieutenant-Governor.
2. *The North West Provinces*, under a Lieutenant-Governor.
3. *Oudh*, under a Chief Commissioner, who is now also the Lieutenant-Governor of the North West Provinces.
4. *The Punjab*, under a Lieutenant-Governor.
5. *Rajputana and Ajmir*, the former under Native Princes and a Political Agent, who is also Chief Commissioner for Ajmir.
6. *Central India*, under Native Princes and a Political Agent.
7. *The Central Provinces*, under a Chief Commissioner.
8. *Hyderabad*, under His Highness the Nizam, attended by the British Resident at Hyderabad; also the assigned districts of *Berar*, under the same Resident as Chief Commissioner.
9. *Mysore and Coorg*, the first under the Rajah, and both under one Chief Commissioner.
10. *Assam*, under a Chief Commissioner.
11. *Munipur*, under the Rajah and a Political Agent.
12. *British Burma*, under a Chief Commissioner.
13. *Andaman and Nicobar Islands*, under a Superintendent.

*** *See* note.

MAPS OF THE THIRTEEN GOVERNMENTS FORMING THE BENGAL PRESIDENCY.

1. BENGAL.

In Eight Regulation Provinces and One Non-Regulation Province, now called Divisions, under Commissioners.

* Bhagalpur and Patna divisions formed the old Soubah of Behar.

*** To these must be added the following Governor-General's Agencies *beyond* India:—

14. Baluchistan under H. H. the Khan of Kelat, with a Political Agent.
15. The Persian Gulf and Muscat, under various Native Governments, with two Political Agents.
16. Bagdad (Turkish Empire), Political Agent.
17. Aden (Southern Arabia).
18. Zanzibar (East Africa), Political Agent.

2. *Burdwan Division.*

3. *Chittagong Division.*

4. *Dacca Division.*

5. *Orissa Division.*

* Transferred to Dacca Division.

† The Khand Mals, in the south of Bod, were separated from that Estate in 1840, and taken under British Government.

‡ Bamanghata has been separated from Morbhanj, and is now under the Deputy Commissioner, of Singhbhoom district, in Chota Nagpore division although it is still included in Orissa division. *See* Bengal Census, 1872.

Orissa Division—*cont.*

6. *Patna Division.*†

7. *Presidency Division.*

8. *Rajshahi and Cooch Behar Division.*

* Sukinda was formerly represented as a Tributary estate, *see* Aitchison, Vol. I., 192, and the Surveys and Maps, including Dr. Hunter's map of Orissa; but it does not appear in the Census of Bengal for 1872, nor in Aitchison's and other lists of the Tributary Estates. The name is included among the 89 Fiscal Divisions of Cuttack in Dr. Hunter's Orissa, Vol. 2, page 147, App. Upon further inquiry of Dr. Hunter, it is found that Sukinda is a zemindary of Cuttack district, and should be coloured as part of the district on the maps.

† Bhagalpur and Patna divisions formed the old Soubah of Behar.

‡ The municipality of the city of Calcutta is in fact independent of the Commissioner of the Presidency Division, who only includes certain statistics of Calcutta with his own, without exercising any authority in the Metropolitan City. Calcutta, within strictly municipal limits, is thus almost a division of itself, while that part of it which is extra-municipal belongs to the 24 Pergunnahs District. Should not the whole of the metropolis be under one management, as Bombay and Madras are ?

*** A proposal to establish New Districts in Bengal is under consideration. *See* Bengal Adm. Report, 1875–6, page 28.

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2. THE NORTH WEST PROVINCES.

In Five Regulation and Two Non-Regulation Provinces or Divisions, under Commissioners; and Two Native Principalities.

* The subsidized state of Sikkim is connected with Darjeeling.

† Maldah District was transferred to the Bhagalpur Division with effect from 1st Nov. 1876; but, it is added, the civil jurisdiction of Maldah remains as before under the district of Dinagepore. Civil jurisdiction, is understood here to mean judicial administration. *See* Bengal Adm. Report, 1875–76, page 28.

‡ Kharsowan, Srikala, and Dhalbhum, although still under tributary chiefs, are now treated as parts of the British district of Singhbhoom.

* The chief town is the seat of the Lieutenant-Governor.

* The chief town is the seat of the Lieutenant-Governor.

5. Rajputana and Ajmir—Harowtee Agency—*cont.*

6. *Eastern States Agency.*

7. *Dholpur Agency.*

8. *Ulwar Agency.*

9. *Sirohee Agency.*

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6. CENTRAL INDIA.

Numerous Principalities, in Nine Assistant Agencies, including also one British District, viz.:—

1. *Indore Residency.*

2. *Gwalior Agency.**

3. *Bhopal Agency.*

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* See also, Jhallawar pergunnahs in Central India, No. 6, West Malwa Agency, and No. 9, Guna Agency. The map of the City of Jhalra-Patan, the Capital of Jhallawar, has been erroneously placed under the Western Malwa Agency (page 270), which only contains four outlying pergunnahs of Jhallawar. It should follow after Kotah, in page 262.

† The other Tonk districts in Rajputana are Pirawa, in West Malwa Agency, Sironj, in Bhopal Agency, Nimbahera, in Meywar Agency. The Harowtee Agent also reports on these Tonk districts. See also the Rajputana Agencies, Nos. 3, 6, 9, for Tonk Districts.

‡ Chapra or Chuppra is also included in the Guna Agent's Report (Central India). Is this the Chabra of the last Rajputana spelling list, dated Dec. 27, 1877?

§ Other parts of Maharajah Holkar's Indore territory are in the Assistant Agencies numbered 3, 6, 7, 8. Other parts of Dewas are in 3, 6, 8.

* Other parts of Maharajah Sindhia's Gwalior territory are in the Assistant Agencies numbered 1, 3, 6, 7, 9. See also Rajputana Agencies, No. 1.

* Tributary to Indore.

* Under temporary British management.
† Also called Dowlutabad Circar.

The following note explains the relation of the present districts of Berar, to the former Circar maps. Akola was part of Nurnulla Circar. Amraoti was part of Gawilghur. Basim District includes parts of Maiker, Basim, and Mahur Circars. Buldana is formed from parts of Nurnulla and Maiker Circars. Ellichpur includes parts of Gawilghur and Nurnulla. Wun was part of Mahur Circar.

* The city of Hyderabad, the seat of the Nizam's Government, is in Golkonda Circar.
† The chief town is the seat of the Commissioner.

* The chief town is the seat of the Chief Commissioner.

† The chief town is the seat of the Chief Commissioner of Assam.

* The chief town is the seat of the Chief Commissioner.

II.

MADRAS PRESIDENCY.

In Twenty-one Districts and Nine Native Principalities:—

III.

BOMBAY PRESIDENCY.

The City and Island of Bombay,* and Three Divisions, under Commissioners; with Native Principalities under Political Agents.

* The seat of the Governor of the Presidency.

IV.

FRENCH TERRITORIES.

V.

PORTUGUESE TERRITORIES.

SECOND PART.

MAPS OF ASIA AND ITS DIVISIONS BEYOND INDIA.

MAPS IN ORIENTAL LANGUAGES.

GENERAL ATLASES AND MAPS.

INDIAN MARINE SURVEYS, CHARTS, &c.

Shipping and Voyages to India and China.

I. *Serial.*

II. *Single Charts, partly in MS.*

Marine Architecture, Lighthouses, &c.

GEOGRAPHICAL CATALOGUES.

OBSERVATORY REPORTS—ASTRONOMICAL, METEOROLOGICAL, AND MAGNETICAL.

THE INDIAN SURVEYS.

A CATALOGUE

OF

MANUSCRIPT AND PRINTED

REPORTS, FIELD BOOKS, MEMOIRS, MAPS, &c. OF THE INDIAN SURVEYS,

DEPOSITED IN THE

GEOGRAPHICAL DEPARTMENT

OF THE

INDIA OFFICE.

PUBLISHED BY ORDER OF HER MAJESTY'S SECRETARY OF STATE FOR INDIA IN COUNCIL.

I.

INTRODUCTORY MEMOIRS, ETC.

A MEMOIR on the INDIAN SURVEYS; by Clements R. Markham. London, 1871. *Imperial* 8vo., xxv *and* 303 *pages. Half bound.*

CONTENTS.—Indian Marine Surveys; Route Surveys; Trigonometrical and Topographical Surveys; Supply of Instruments; Geological Survey; Archæological Survey; Meteorological and Tidal Observations; Astronomical Observations; Physical Geography of India; List of Members of the Great Trigonometrical, Topographical, and Revenue Surveys, and of the Geological Survey, &c.

[In continuation of the preceding Memoir.]

ABSTRACT of the REPORTS of the SURVEYS and of other GEOGRAPHICAL OPERATIONS in INDIA for 1869-70. By Clements R. Markham. *Imperial* 8vo., 35 *pages.* Also for 1870-71, 1871-72, 1872-73, 1873-74, 1874-75. To be continued annually.

STATEMENT exhibiting the MORAL and MATERIAL PROGRESS of INDIA during the year 1872-73. Presented to Parliament pursuant to Act. With a Preface, by Clements R. Markham.

Contents: I. Administration and Legislation. II. Finance. III. Land Revenue. IV. Agriculture. V. Irrigation. VI. Communications. VII.

Forests. VIII. Minerals. IX. Trade and Manufactures. XI. Police and Justice. XII. Education. XIII. Political. XIV. Military. XV. Surveys and Statistics.

Maps:—1. A map of India for the places named in the Statement. 2. A map of the Civil Divisions of India, including Governments, Divisions, and Districts, Political Agencies, and Native Territories, with a list. 3. The Rainfall of India. 4. The Irrigation Canals and River Basins of India. 5. Indian Railways, Telegraphs, Ports, Lighthouses, Caravan and Steam Packet Routes. 6. Karachi Harbour. 7. Palk Strait and the Gulf of Manaar. 8. Pamban Ship Canal. 9. The Forests of India. 10. An Index to the Geological Survey of India. 11. Trade Routes to Tibet from the Lower Provinces of Bengal and Assam, with a list of explorers, remarks and notes. 12. British India, with its Dependencies and Political Agencies, including Aden, Baghdad, Bushire, Muscat, and Zanzibar. Also the surrounding States with reference to the Persian, Afghan, Beluch, Turkish and Russian Boundaries. 13. Military Map of India. 14. Calcutta Harbour Defences. 15. Bombay Harbour Defences. 16. Index to the Trigonometrical Survey of India.

II.
THE GREAT TRIGONOMETRICAL SURVEY OF INDIA.

THE REPORTS AND CHARTS,

OF

THE TRIANGULATION OF INDIA

FROM ITS COMMENCEMENT,

DEPOSITED IN THE MAP ROOM OF THE INDIA OFFICE, LONDON, AND CATALOGUED IN THE FOLLOWING ORDER:—

1. MANUSCRIPT REPORTS.
2. MANUSCRIPT ANGLE BOOKS, &c.
3. PRINTED REPORTS, &c.
4. CHARTS OF THE TRIANGLES.

1. MANUSCRIPT REPORTS.

VOLUME 1.

An Account of TRIGONOMETRICAL OPERATIONS carried on in the Carnatic in the years 1802 and 1803, being a work intended to improve and correct the Geography of the Peninsula of India. By Brigade Major William Lambton, assisted by Lieutenant Warren, of H.M. 33rd Regt. See Heading to page 1. MS. 122 pages, and a map; with contents before page 1, but no title. (Sections I. to V.) In paper cover.

CONTENTS OF VOL. I., PART I.

Section I.

1. An Account of the measurement of a Base Line near St. Thomas' Mount in the year 1802.

2. Observations for determining the angle which the Base Line makes with the Meridian.

3. Commencement of the operations from the Base. The Large Theodolite.

Section II.

4. The Principal Triangles.

5. First class of Secondary Triangles in which objects have been intersected by the Large Theodolite.

6. The second class of Secondary Triangles, or those wherein the angles have been taken by the Circular Transit Instrument. Short Description of that instrument.

Section III.

7. Observations by the Zenith Sector for the latitude of Pandree Station, and the Station near Trivandiporum; and the length of the Celestial Arc.

8. Observations at Trivandiporum Station between the Polar Star at its greatest Western Elongation and the referring lamp near Tripnaumbaucum.

9. Reduction of the distances to the Meridian of Trivandiporum, for determining the length of the Terrestrial Arc.

10. Of the Polar Star Observations at Carongooly and Carnatighur, and the length of a degree perpendicular to the Meridian deduced therefrom for the latitude of 12° 32′ nearly.

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11. Table containing the angles with the Meridian of Trivandiporum and its parallels, and the distances from that Meridian and from its perpendiculars at the Station of Observation.

12. Table containing the angles with the Meridian of Carongooly and its parallels, and the distances from that Meridian and from its perpendicular.

13. Table containing the angles with the Meridian of Carnatighur and its parallels, and the distances from that Meridian and from its perpendicular.

14. General Table of Latitudes and Longitudes.

15. Table containing the Apparent Elevations and Depressions of the Principal Stations, with the terrestrial refraction, and also their perpendicular heights above the level of the sea.

16. Description of the Stations forming the Principal Triangles.

Section V.

17, 18, 19, 20, 21. 22. On the figure of the Earth as deduced from the foregoing data, and from the Meridional degrees, &c. in latitudes 50° 41′ and 12° 32′.

VOLUME 1, PART 2, IN 2 NOS.

An Account of the TRIGONOMETRICAL OPERATIONS

carried on in the Peninsula of India from 1803 to 1806, under the superintendence of Capt. Wm. Lambton. No. 1 contains Sections VI. to IX. in part ; No. 2 contains the remainder of Section IX. to XIV. MS. 277 pages, with a map. In two paper covers.

CONTENTS OF VOL. I., PART II., NOS. 1 AND 2.

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24. Measurement of the Base Line near Bangalore.
25. Angles continued.

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27. Measurement of the Base Line in the Coimbetoor.
28. Triangles.
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61. Elevations and Depressions, Contained Arcs, Terrestrial Refractions, together with the Heights above the level of the sea, of all the Principal Stations.

Plan of all the Principal Triangles since the commencement of the Survey in 1802.

Vol. 2.

An Account of the TRIGONOMETRICAL OPERATIONS carried on in the Peninsula of India under the superintendence of Major Wm. Lambton, 1807 to 1811. On 255 pages, no title, with a map. (Sections XI. to XIX.) Half bound.

Contents of Vol. II.

General Account of the Survey from 1807 to 1811.

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* The recurrence of the sectional numbers back to XI. after reaching XIV. in the former volume, and the gap in the numbers of the chapters between 61 and 75 is not explained.

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Appendix. General Table of Latitudes and Longitudes, Plan of all the Principal and Secondary Triangles from the year 1807 to 1811.

Vol. 3.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Col. Wm. Lambton, F.R.S., 33rd Regiment of Foot. Vol. III. (With an Introduction to Vols. 3 and 4, dated Hydrabad, 1818.) On 413 pages, with title and map. Whole bound, calf. (Sections XX. to XXIX.)

*** This volume includes the operations from 1811 to 1814.

Contents of Vol. III.

Account of the Survey from 1811 to 1814 inclusive, with a retrospective view of the operations from the commencement to the completion of the Peninsula.

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156. Secondary Triangles, first class.

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Lieut. Garling's Triangles, commencing at the Base near Goa, extending over the Districts of Goa, Soonda, and part of Canara, and connecting with the distances of the Principal Triangles Chandergooty from Atchoovee, and Chandergooty from Hullabyle Luckigooni, depending on the Base near Coomptee.

157. Secondary Triangles, first class.
158. Secondary Triangles, second class.

Plan of the Principal Triangles.

VOL. 4.

This volume is missing from the India Office.

VOL. 5.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Col. W. Lambton, F.R.S., and Corresponding Member of the Royal Academy of Sciences at Paris, 33rd Regiment of Foot, and Captain G. Everest, F.R.S., &c., Bengal Artillery. Vol. V. On 309 pages Half bound. (Sections XXXV. to XLI.)

*** This volume describes Col. Lambton's work up to 1823, and is signed by him. It was issued and countersigned by Col. Everest in 1832.

CONTENTS OF VOL. V.

An Account of the Great Trigonometrical Survey of India. from the year 1814 to 1821.

Section XXXV. (with observations on the length of the metre, on pendulum experiments, on refraction and attraction of mountains.)

Meridional Series of Triangles, commencing with the distance from Adoni to Kerra Bellagul in the Ceded Districts, as determined by the Base Line measured near Gooty in the year 1810 (*see* 3rd volume of the General Report, section XXX., art. 115, page 46), and continued northerly to the distance Inpahgutt from Daroor in the Nizam's Dominions.

196. Angles.
197. Principal Triangles.
198. Description of the Great Stations.
199. Secondary Triangles, first class.

Section XXXVI.

Meridional Series of Triangles commencing at the Base near Beder, and carried southerly to meet the distance from Inpahgutt to Daroor, depending on the base near Gooty, where a comparison is made. The triangles then commence with the distance Doodallah from Daumergidda as a base, and continue northerly to the banks of the Godavery River, terminating with the distance from Yemsha to Soamtannah.

Measurement of the base near Beder. **Experiments made for comparing the** chains, &c.

200. Angles.
201. Principal Triangles.
202. Description of the Great Stations.
203. Secondary Triangles, first class.

Section XXXVII.

Triangles branching from the Meridional Series, with the distances Purgy and Pochamagutt and Taudmunoor from Topecondah as bases, and continued towards Hyderabad, connecting the meridian of Yerracondah with Savendroog and Doddagoontah. The triangles are then continued south along the meridian of Yerracondah, connecting with the triangles of the Meridional Series, and terminating at the distance Daroor from Yellacondah, and Yellacondah from Peddacoorwa, thereby connecting the operations depending on the base near Beder with those depending on the Base near Gooty.

204. Angles.
205. Principal Triangles.
206. Description of the Great Stations.
207. Secondary Triangles.

Section XXXVIII.

Triangles commencing near Hyderabad and the distance Letchmapooram from Suldapooram as a base (determined in the preceding section), and continued north along the Meridian of Yerracondah, connected with the Meridional Series as far as the Godavery River, and terminating at Yemsha and Yairgutlah.

208. Angles.
209. Principal Triangles.
210. Description of the Great Stations.
211. Secondary Triangles.

Section XXXIX.

The whole of the operations exhibited in this and the following section was conducted by Capt. G. Everest, Chief Assistant. It commences with the mean distance from Letchmapoor to Gaunigapent, near Hyderabad, as a base (*see* the note in page 126, section XXXVII.). The triangles were then continued directly east as far as the Meridian of Carangooly, and terminated at Kundagutt and Bolikondah. As no base line was measured at this distance from the base near Beder, and it being necessary to extend the triangles further north, the triangles were brought back to Kundagutt and Bolikondah by taking up the distance from Poolychintah to Sarangapullee, depending on the base near Guntoor, as was established by Colonel Lambton in 1811. Hence the bases near Guntoor and Beder being connected at the common distance Kundagutt and Bolikondah, the mean was taken at the correct distance, and the operations were continued north as far as the River Godavery, as will be detailed in the next section.

212. Angles.
213. Principal Triangles.
214. Description of the Great Stations.
215. Secondary Triangles, first class.

Section XL.

The operations of this section exhibit a complete net of triangles as far as the Godavery; it commences with Kundagutt and Bolikondah, as noticed in the

preceding section, towards the eastern side, and with the distances from Bongeer and Koelkondah the network is continued northerly, connecting the meridians of Kylasgarh and Carangooly, and finally terminating on the west at Yairgutlah near the Godavery, a point ascertained by a former proceeding detailed in the 38th section.

216. Angles.
217. Principal Triangles.
218. Description of the Great Stations.
219. Secondary Triangles, first class.

Section XLI.

Triangles commencing at Gaunigapent, Mulkapoor, Uddagutt, and Kundagutt, as determined by the series detailed in Section XXXIX., and continued south through the Circars of Nelgoondah and Davurcondah; the whole forming a complete network connecting with Jonelrashgutt, Myshagutt, and Toomaingutt towards the west, and with Nealamurree and Sarangapullee on the east, as also with Siddapoor, Kuttalcondah, Innaparateecondah, and Soodeecondah to the south, thereby connecting the operations of the present period with those formerly established, and depending on the bases near Gooty and Guntoor.

220. Angles.
221. Principal Triangles.
222. Description of the Great Stations.
223. Secondary Triangles, first class.

Vol. 6.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Col. W. Lambton, F.R.S., and Corresponding Member of the Royal Academy of Sciences at Paris, 33rd Regiment of Foot, and Captain G. Everest, F.R.S., &c., Bengal Artillery. Vol. VI. With an appendix. On 247 pages. Half bound. (Sections XLII. to XLIV., with Appendix. The division of the reports into numbered sections, ends with this volume.)

⁂ This is the last of Col. Lambton's reports; the appendix, by Capt. Everest, relates to his own work under Col. Lambton in 1822–23, and to Capt. Garling's in 1816–17. It was issued in 1832.

Contents of Vol. 6.

Section XLII.

Reduction of certain distances to the Meridian of Dodagoontah, together with the observations for Zenith Distances of fixed stars, for the purpose of continuing the Meridional Arc.

224. Reduction of the sides of the Meridional Triangles to the Meridian of Dodagoontah, for determining the length of the Terrestrial Arc.

225. Zenith Distances of stars observed at Daumergidda Station, with the corrections for Precession, Nutation, Aberration, and the Annual Solar Equation, back to the beginning of the year 1805.

226. Means of the Zenith Distances taken on the right and left Arc corrected for Refraction, equation of the Sectorial Tube, and the mean runs of the Micrometer.

227. Amplitude of the Arc between Namthabad and Daumergidda.

228. Amplitude of the Arc between Punnae and Daumergidda by seven corresponding stars.

229. Celestial Arc between the parallels of Putchapolliam and Namthabad. (*See* Asiatic Researches, Vol. 12.)

230. Corrections applied to the great Meridional Arc extending from latitude 8° 9′ 38·39″ to latitude 18° 3′ 23·64″ to reduce it to the Parliamentary Standard. (With calculations on the figure of the earth.)

Section XLIII.

General Reduction of Latitudes and Longitudes.

231. Bearings of places and their distances from the stations at,—also their distances from the parallels and perpendiculars to—the Meridian of Savendroog Station.

232. ——— to the Meridian of Yerraconda Station.

233. ——— to the Meridian of Kylasgurh Station.

234. ——— to the Meridian of Carangooly Station.

235. Latitudes and Longitudes of places referred to the Meridian of Savendroog Station, &c.

236. ——— to the Meridian of Yerracondah Station, &c.

237. ——— to the Meridian of Kylasghur Station, &c.

238. ——— to the Meridian of Carangooly Station, &c.

Section XLIV.

239. Elevations and Depressions, Contained Arcs, Terrestrial Refractions, &c., together with the heights of all the principal stations above the level of the sea.

*** The continuous enumeration of the Sections and Chapters terminates here.

APPENDIX BY COLONEL GEORGE EVEREST.

Section 1. Principal Triangles branching westward from the Meridional Series commencing with the distance Bongapilly from Baukthapoor as the base (*see* General Report, 5th Vol., page 69) for the purpose of connecting Bombay with the Meridian of Dodagoonta, but continued only to Chorakullee and Sawurgaon, where it terminated in February 1823.

2. Principal Triangles.

3. Secondary Triangles, first class.

Observed Azimuths.

Latitudes, Azimuths, Longitudes. (On the old and new formulæ, with examples of the latter.)

General Reduction of Latitudes, Azimuths, and Longitudes of the Principal and Secondary Stations of the Branch Series extending westward for connecting Bombay with the Meridian of Dodagoontah.

Elevations and Depressions, Contained Arcs, and Terrestrial Refractions, together with the Heights above the level of the sea of all the Principal Stations in this series.

General Table of Latitudes and Longitudes.

CAPTAIN GARLING'S TRIANGLES.

Register of the Triangles for the Survey of the Dooab, Nizam's Dominions, between the Tungubudra and Kishna Rivers. By Lieut. Garling, taken in the years 1816 and 1817.

Register of Triangles for the Survey of the Western Boundary of the Nizam's Dominions. By Capt. Garling, in 1819 and 1820.

Table of Latitudes and Longitudes of the Principal Stations and Places in the Dooab and on the Western Frontiers of the Nizam's Dominions from Capt. Garling's Tables.

VOL. 7.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 7.

Part 1. On 413 pages, with map, title, preface, and contents. Half bound.

Part 2. On 658 pages, with map, title, contents, and half title. Half bound.

Appendix to Part 2. On 346 pages, with half title and contents. Half bound.

No dates.

*** This division describes the operations from January 1823 to 1837, or the Great Arc Series, Bider to Sironj and Dehra.

CONTENTS OF VOL. 7, PART 1.

Frontispiece. Skeleton plan of the Section of the Great Arc Series comprised between the Bases of Sironj and Bider, and thence continued southerly to the Stations of Topkunda and Goraegat. *Scale,* 8 *miles to* 1 *inch.*

Preface. Contents.

Introduction. Records the death of Lieut.-Colonel Lambton, and the proceedings of his successor; the revision of part of the Great Arc; improvement in the determination of Azimuths; methods of deducing Latitudes and Longitudes; calculations relating to the Figure of the Earth.

Observed Angles of the Section Kalianpur-Damargida, Series B. and C.

Principal Triangles of the Section Kalianpur-Damargida, Series B. and C.

Synopsis showing the length of the Terrestrial Arc in feet comprised between the Parallels of Kalianpur and Damargida, Series B.

Synopsis showing the length of the Terrestrial Arc in feet comprised between the Bases of Sironj and Bider, or the value of the term S deduced from the Sironj Base.

Intersections of the Bider Base on the Meridian.

Sketch illustrative of the Meridional Triangles of the Section Kalianpur to Damargida, and the points to its south in continuation of the course of the Great Arc Series.

Description of the Principal Stations of Series B. and C.

Heights of Principal Stations, Series B.

Heights of Secondary Stations, Section Kalianpur to Damargida.

Table exhibiting the heights of Platforms, &c. forming the sites of Principal Stations of the Great Arc Series not included in the Vertical Computations.

Of the Bider Base Line in the season 1841.

Results of Circumpolar Star Observations, Section Kalianpur to Damargida, Series B.

Synopsis of Azimuths, Section Kalianpur to Damargida, Series B.

Secondary Triangles of the Section Kalianpur-Damargida.

Synopsis of Latitudes, Longitudes, Azimuths, &c. of the Principal Stations of the Great Arc Series of Triangles—Section Kalianpur and Damargida or Series B.

Ditto of the Secondary Stations.

Results of Observations to determine the Amplitude of the Series Kalianpur to Damargida, Series B.

Constants for the computation of the Figure of the Earth.

CONTENTS OF VOL. 7, PART 2.

SECTIONS KALIANPUR AND KALIANA.

Frontispiece. Skeleton Plan of the Section of the Great Arc Series comprised between the Bases of Sironj and Dehra Dun, and thence continued approximately to the Station of Jharsu on the north and Simla on the west. *Scale,* 8 *miles to* 1 *inch.*

Observed Angles. Principal Triangles.

Meridional Triangles for reducing the Bases of Sironj and Dehra Dun to the Meridian.

Meridional Triangles for reducing the Sides of the Principal Series to the Meridian.

Synopsis deduced from the Meridional Triangles.

Sketch showing the intersections of the Bases of Sironj and Dehra Dun on the Meridian.

Sketch of the Meridional Triangles.

Description of Principal Stations.

Heights of Principal Stations.

Heights of Secondary Stations.

Particulars of the Measurement of a Base Line near Sironj.

Particulars of the Measurement of a Base Line near Dehra Dun.

Results of Circumpolar Star Observations for Azimuth.

Synopsis deduced from the Observed Azimuth.

Secondary Triangles, Main Series.
Secondary Triangles, Himalaya Mountain Series.
Synopsis of the Latitudes, Longitudes, and Azimuths of the Principal Stations.
Synopsis of the Latitudes, Longitudes, and Azimuths of the Secondary Stations.
Observations for Amplitude.
Synopsis deduced from the Observations for Amplitude.
General Alphabetical List of Latitudes and Longitudes.

CONTENTS OF APPENDIX to Vol. 7, Part 2.

Secondary Triangles in nine Series.
Ray Trace Route Survey from Bunda Temple to Meoli Station viâ Alwar and Tijara.

VOL. 8.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 8, *Part* 1. On pages v to ix and 1 to 533, with title and map. Half bound.

*** Calcutta Longitudinal Series.*

CONTENTS OF VOL. 8, PART 1.

Introduction. Of the branch of the Great Trigonometrical Survey of India, designated the Calcutta Longitudinal Series (Sironj to Calcutta).
Observed Angles. Principal Triangles.
Description of the Great Stations.
Principal Triangles connecting the Great Meridional Stations.
Of the Calcutta Base Line in the Season 1831, 1832.
Formula.
Comparisons of the Compensation Bars—before the Measurement—after the Measurement, Tables I. and II.
Deduction of the whole Base.
Of the Trial Base.
Height of the Calcutta Observatory.
„ South end of the Base Line.
„ North end of the Base Line.
On the correction of the sides of the Longitudinal Series.
Tables for the aforesaid correction, Tables III., IV., and V.
Secondary Triangles, first and second class, Series A, B, C.
Benares Series, and Gaya Series.
Observed Azimuths at the Great Meridian Stations. Tables VI. to XXVII.
General Reduction of Latitudes, Longitudes, and Azimuths, Table XXVIII. 1st to 9th.
Mean Latitude and Longitude of all the points of the Principal and Secondary Triangles, deduced from the foregoing Tables. Table XXIX.
Table of Elevations and Depressions. Table XXX.
Memo. relating to the correction for the discrepancies between the computed and measured heights above the level of the sea.
Corrected Heights above the level of the sea.
General Table of Latitude and Longitude.
Plan of the Principal and Secondary Triangles of the Longitudinal Series extending from Sironj to Calcutta, conducted by Mr. Joseph Olliver, Principal Sub-Assistant, Great Trigonometrical Survey, between the years 1825 and 1832, being part of the operations of the Great Trigonometrical Survey of India under the superintendence of Lieut.-Colonel George Everest, Surveyor-General of India. S. G. O., Calcutta, 1843. *Scale,* 8 *miles to* 1 *inch; size,* 92 *inches by* 27.

Separate Documents.

* Register of Calculations of the Branch of the Great Trigonometrical Survey conducted by Mr. J. Olliver, from 1825 to 1829. On 30 leaves, in cover. *See Introduction, Vol.* 8, *Part* 1.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 8, *Part* 2. On 212 pages, with title, contents, and map. Half bound. No dates.

*** Bombay Longitudinal Series.

CONTENTS OF VOL. 8, PART 2.

Operations of the Bombay Longitudinal Series. Introduction.
Observed Angles.
Principal Triangles.
Description of Principal Stations.
Heights of Principal and Secondary Stations.
Observed Azimuths.
Synopsis of Azimuths.
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Latitudes, Longitudes, and Azimuths.
General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.
Frontispiece. Skeleton Plan of the Triangulation of the Bombay Longitudinal Series, carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, chiefly by Lieut. W. S. Jacob, 1st Assistant, Great Trigonometrical Survey, in the years 1822 to 1842. S. G. O., Calcutta, 1843. *Scale*, 8 *miles to* 1 *inch; size*, 36 *inches by* 48.

VOL. 9.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 9, *Part* 1. On pages i to xi and 1 to 162, with title, map, and contents.

*** Budhon Meridional Series.*

CONTENTS OF VOL. 9, PART 1.

General Introduction to the Primary Meridional Series, North-east Division.
Budhón Series.—Introduction.
Observed Angles.
Principal Triangles.
Description of Principal Stations.
Heights of Principal Stations.
Observed Azimuths.—Synopsis of Azimuths.
Secondary Triangles.
Latitudes, Longitudes, and Azimuths of Principal Stations.
Tables of Corrections to the Mean Latitudes and Longitudes.
Latitudes, Longitudes, and Azimuths of Secondary Stations.
General alphabetical list of Latitudes and Longitudes.
Frontispiece. Skeleton Plan of the Triangulation of the Budhon Meridional Series, conducted under the orders of Lieut.-Colonel Everest, Surveyor General of India; commenced by Lieut. MacDonald, of the 69th N.I. in the year 1833, and terminated by Lieut. Renny, of the Bengal Engineers, 1843. *Scale*, 8 *miles to* 1 *inch; size*, 16 *inches by* 56.

Also in the same cover:—

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 9, *Part* 2. On 258 pages, with title and contents. Half bound.

*** Rangir Meridional Series.

* *See also* Budhon triangles, &c. received with letter from Lieut. MacDonald. *See also* Capt. W. S. Jacob's Observations for the Bombay Longitudinal Series, with a report and correspondence. 1837–38. Foolscap. Unbound. MS.

CONTENTS OF VOL. 9, PART 2.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 9, *Part* 3. On pages i, ii, and 1 to 86, with title, contents, and map.

*** Amua Meridional Series.*

CONTENTS OF VOL. 9, PART 3.

Also in the same cover :—

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 9, *Part* 4. On 101 pages, with title, contents, and map.

*** Himalaya Longitudinal Series.

CONTENTS OF VOL. 9, PART 4.

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* *Separate Documents.*

Office Register of Computations, &c. relative to Amua Meridional Series.
Register of Simultaneous Vertical Angles, &c. relative to Amua Meridional Series.
Table of Latitudes and Longitudes of Ray Trace Survey Points, &c. relative to Amua Meridional Series.

Secondary Triangles.
Synopsis of Latitudes, Longitudes, and Azimuths of Principal Stations.
Table of Corrections to the Mean Latitudes.
Synopsis of Latitudes, Longitudes, and Azimuths of Secondary Stations.
General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.
Frontispiece. Skeleton Plan of the Triangulation of the Himalaya Longitudinal Series, &c.

Also in the same cover :—

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol.* 9, *Part* 5. On 51 pages. Vol. 9, parts 3, 4, 5, are in 1 vol. Half bound.

*** Pilibit Terai Longitudinal North Connecting Series.

CONTENTS OF VOL. 9, PART 5.

North Connecting Series in the Pilibit Terai.—Introduction.
Observed Angles.
Principal and Secondary Triangles.
Description of Principal Stations.
Heights of Principal Stations.
Latitudes, Longitudes, and Azimuths of Principal Stations.
Table of Corrections of the Mean Latitudes.
Latitudes, Longitudes, and Azimuths of Secondary Stations.
General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.
Frontispiece. Skeleton Plan of the Triangulation carried on in the Pilibit Terai, &c.

*** This is the last of Colonel Everest's reports.

VOL. 10.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 10, *Part* 1. On 180 pages, with title, contents, and map. Dated, Allahabad, 1846.

*** Karara Meridional Series.

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Karara Meridional Series.—Introduction.
Synopsis of Angles observed at Sora Station with Syad Mir Mohsin's Theodolite.
Observed Angles.
Principal Triangles.
Description of the Principal Stations.
Secondary Triangles.
Position of Sora Village computed.
Position of the Transit Instrument at Lucknow Observatory computed.
Computation of Heights.
Table of corrected Heights.
Frontispiece. Skeleton Plan of the Triangulation of the Karara Meridional Series.

Also in the same cover :—

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 10, *Part* 2. On 44 pages, with title, contents, and map. Half bound.

*** North Longitudinal Series, connecting Amus and Karara.

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North Longitudinal or Connecting Series uniting the Meridians of Amua and Karara.—Introduction.
Observed Angles.
Principal Triangles.
Description of Principal Stations.
Heights of Principal Stations.
Synopsis of Latitudes and Longitudes, and Azimuths at the Principal Stations.
Alphabetical List of Stations, &c.
Skeleton Plan of the Triangulation of the North Longitudinal or Connecting Series, uniting the Meridians of Amua and Karara.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 10, *Part* 3. On 298 pages, with title, contents, and map. Half bound.

*** Gurwani Meridional Series.

CONTENTS OF VOL. 10, PART 3.

Gurwani Meridional Series.—Introduction.
Observed Angles.
Principal Triangles.
Description of Principal Stations.
Secondary Triangles in 12 parts.
Computation of Heights.
Results of Circumpolar Star Observations at Gurwani, Marar, and Bisaol.
Synopsis of Latitudes, Longitudes, and Azimuths of Principal Stations and Secondary Points.
Formula for computing Latitudinal Corrections.
Table of mean computed Latitudes and Longitudes, &c.
Synopsis of Latitudes and Longitudes of Points determined by a Perambulator Distance, and an Azimuth taken from a Principal or a Secondary Station.
Alphabetical List of the Principal and Secondary Stations.
Alphabetical List of Points determined by a Perambulator Distance, and an Azimuth taken from a Principal or a Secondary Station.
Skeleton Plan of the Triangulation of the Gurwani Meridional Series, &c.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 10, *Part* 4. On 231 pages, with title, contents, and map. Half bound.

*** Gora Meridional Series.

CONTENTS OF VOL. 10, PART 4.

Gora Meridional Series.—Introduction.
Observed Angles.
Abstract of the Computation of the Bascha Polygon.
Principal Triangles.
Description of the Principal Stations.
Secondary Triangles, 3 parts.
Computation of the Heights.
Results of Circumpolar Star Observations.
Synopsis of Latitudes, Longitudes, and Azimuths.
Formula of computing Latitudinal Corrections.
Table of mean computed Latitudes and Longitudes, &c.
Alphabetical List of the Principal and Secondary Stations.

Appendix :—Secondary Triangles, 4 parts ; Synopsis of Latitudes, Longitudes, and Azimuths ; Table of mean computed Latitudes and Longitudes, &c.
List of Points laid down in the Appendix.
Skeleton Plan of the Triangulation of the Gora Meridional Series, &c.

Vol. 11.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. Part 1 is missing at the India Office.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 11, *Part* 2. On pages i to xvi and 1 to 308, with title, contents, and map. Half bound.
⁂ Chendwar Meridional Series.

Contents of Vol. 11, Part 2.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 11, *Part* 3. On pages i to xix and 1 to 1100, with title, contents, and map. Half bound.
⁂ Hurilaong Meridional Series.

Contents of Vol. 11, Part 3.

Reduction of the Majholi and Teona Polygons.
Reduction of the Mednipur Polygon.
Principal Triangles.
Computation of Heights.
Results of Circumpolar Star Observations.
Synopsis of observed Azimuths.
Synopsis of Latitudes, Longitudes, and Azimuths.
Secondary Triangles, Series A.
" " Series B. 34 rays.
" " Soane River Survey, 4 rays.
" " Soane and Ganges River Survey.
" " Ganges River Survey.
" " Gogra River Survey, main series in 10 parts.
" " " Secondary Triangles.
Synopsis of Latitudes, Longitudes, and Azimuths of Secondary Points.
Formula for computing Latitudinal Corrections.
Table of mean computed Latitudes and Longitudes, corrections to the Latitudes, and corrected Latitudes.
Synopsis of Latitudes and Longitudes of Points determined by a Perambulator Distance and an Azimuth, taken from a Principal Station.
Synopsis of Latitudes and Longitudes of Points determined by a Perambulator Distance and an Azimuth, taken from a Secondary Station.
Synopsis of Latitudes and Longitudes determined by a Ray Trace, executed with a Perambulator and a Theodolite.
Soane and Ganges River Survey. Synopsis of Latitudes and Longitudes determined by a Ray Trace, executed with a Perambulator and a Theodolite.
Ganges River Survey. Synopsis of Latitudes and Longitudes, &c.
Gogra River Survey, ditto.
Alphabetical list of Principal and Secondary Stations.
" " of Perambulator Points.
Chart of the Hurilaong Meridional Series.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol.* 11, *Part* 4. On pages i to xi and 1 to 175, with title, contents, and map. Half bound.

*** North Parasnath Meridional Series.

CONTENTS OF VOL. 11, PART 4.

Parasnath Meridional Series. Northern Section.—Introduction.
Description of Principal Stations.
Observed Angles.
Principal Triangles.
Computation of Heights.
Results of Circumpolar Star Observations.
Synopsis of Observed Azimuths.
Synopsis of Latitudes, Longitudes, and Azimuths of Principal Stations.
Secondary Triangles, 11 parts, including Ganges River Survey.
Computation of Heights of Secondary Stations.
Synopsis of Latitudes, Longitudes, and Azimuths of Secondary Points.
Formula for computing Latitudinal Corrections.
Table of mean computed Latitudes and Longitudes, &c.
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Computation of Heights.
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Synopsis of Observed Azimuths.
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Secondary Triangles, Ganges Minor Series and Purnia Survey.
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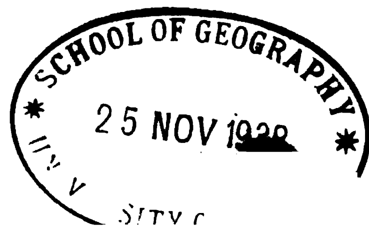
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⁂ The MS. Reports of the Triangulation of India have not been sent to the India Office since the last-named volume.

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On the ASTRONOMICAL CIRCLES of the GRAND TRIGONOMETRICAL SURVEY of INDIA, with a description of the Methods employed to remedy their defects. By Lieut.-Colonel Everest (*Read December* 11, 1840). Printed Extract from the Memoirs of the Royal Astron. Soc., Vol. xii., 4to, 12 pp. and 1 plate.

An Account of the MEASUREMENT of TWO SECTIONS of the MERIDIONAL ARC of INDIA bounded by the Parallels of 18° 3′ 15″, 24° 7′ 11″, and 29° 30′ 48″. Conducted under the orders of the Honourable East India Company by Lieut.-Colonel Everest, F.R.S. &c., late Surveyor-General of India, and his Assistants. Printed by order of the Court of Directors of the Honourable East India Company. *London*, 1847. In one vol. 4to, of 12, clxxxvii, and 439 pages, with a separate volume of Engravings, containing 32 plates of instruments and maps.

REPORTS of the EXTENT and NATURE of the OPERATIONS and EXPENDITURE connected with the GRAND TRIGONOMETRICAL SURVEY of INDIA, from the year the first Base was measured, to the latest date, &c. Ordered by the House of Commons to be printed, 15 April 1851.

CONTENTS:

1. Report on the progress and expense of the Great Trigonometrical Survey of India, and a Sketch Map of India, showing the extent of the Great Trigonometrical Survey up to the year 1849–50. Signed A. S. Waugh, Lieut.-Colonel Engineers, Surveyor-General of India, and Superintendent of the Great Trigonometrical Survey, S. G. O., Dehra Dun, 20 October 1850. With the following Appendix:—

   (A.) Extract of Letter, No. 111, dated 25 October 1817, from Lieut.-Colonel J. Young, Secretary to the Governor-General, Military Department, to Major John Craigie, Officiating Secretary to Government in the Military Department.

   (B.) Extract of a Letter from the late Colonel V. Blacker, Surveyor-General of India, to the Secretary to Government of India, Military Department, Fort William; dated 11 August 1824. With a translation of a letter from Mons. De Lambre, Perpetual Secretary of the French Institute, to Lieut.-Col. Lambton, dated Paris, 30 May 1818.

(C.) Statement of Expenses incurred on account of the Great Trigonometrical Survey of India.

(D.) Tabular Geographical Statement of Surveys in India.

2. Return of the number and what sheets of the Grand Atlas have been Completed and Engraved, with the cost thereof to the Government, &c. Signed John Walker, East India House, 2 April 1851.
3. Statements to illustrate the nature of the different Great Divisions, and Smaller Districts or Departments thereof, into which India within the line of the Indus is divided for Political, Civil, Revenue, Judicial, and Military Purposes, exhibiting the Area, Population, and nature of the Productions thereof, and showing the relation and authority under which they stand in to the East India Company, whether immediately subordinate to and under the direct Rule, or are Tributary, Protected, Subsidiary, or Independent. Signed Edw. Thornton, Statistical Office, East India House, 21 March 1851.

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REPORT on the SURVEY of INDIA for the three years ending 1858–59. By Lieut.-Colonel Sir A. S. Waugh, Knt., Surveyor-General of India, and Superintendent Great Trigonometrical Survey. Dated Dehra Doon, 6 October 1860. With the following Appendices :—

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INDEX to the GREAT TRIGONOMETRICAL SURVEY of INDIA, showing the principal triangulation, the topography in connection with the Great Trigonometrical Survey, Col. Lambton's principal triangles in the Madras Presidency, the lines of the spirit-levelling operations, and the secondary triangulation to fix the peaks of the Himalaya and Soolimani Ranges. To 1st May 1862. J. T. Walker, Lieut.-Col. Royal Engineers, Superintendent, Great Trigonometrical Survey. *Scale*, 96 *miles to* 1 *inch ; size*, 24 *inches by* 26.

Revised edition, 1866.

INDEX CHART to the GREAT TRIGONOMETRICAL SURVEY of INDIA, showing Colonel Lambton's net work of triangulation in Southern India ; the meridional and longitudinal chains of principal triangles ; the base lines measured with the Colby apparatus ; the lines of the spirit levelling operations ; the astronomical, pendulum, and tidal stations ; and the secondary triangulation to fix peaks of the Himalayan and the Soolimani Ranges. Completed to 1st May 1870. *Scale*, 96 *miles to* 1 *inch ; size*, 25 *inches by* 26.

Lambton's Triangulations.

A Plan of the PRINCIPAL STATIONS and OBJECTS as determined by the Trigonometrical Operations carried on in the Mysoor country in the year 1801. By William Lambton. *Scale*, 4 *miles to* 1 *inch ; size*, 30 *inches by* 41. MS.

A Plan of the TRIGONOMETRICAL OPERATIONS carried on in the Mysoor country in the year 1801. Being intended as a foundation for a geographical survey of the Peninsula of India. By William Lambton. *Scale*, 4 *miles to* 1 *inch ; size*, 30 *inches by* 41. MS.

A Sketch of the OPERATIONS of a GEOGRAPHICAL Survey carried on in the Mysoor country, connecting Seringapatam, Bangalore, and Serah. By W. Lambton, on a Geographical Survey in the Peninsula, 1801. *Scale*, 4 *miles to* 1 *inch ; size*, 30 *inches by* 22. MS.

A Plan of GEOGRAPHICAL POSITIONS as deduced from the Trigonometrical Operations carried on in the Peninsula of India, under the superintendence of Capt. Wm. Lambton. *Scale*, 8 *miles to* 1 *inch ; size*, 21 *inches by* 51. MS.

A Plan of GEOGRAPHICAL POSITIONS as deduced from the Trigonometrical Operations carried on in the Peninsula of India, under the superintendence of Capt. Wm. Lambton. *Scale*, 4 *miles to* 1 *inch ; size*, 32 *inches by* 51. MS.

Plan of the TRIGONOMETRICAL OPERATIONS carried on in the Peninsula of India in the years 1802 and 1803. By William Lambton. *Scale*, 4 *miles to* 1 *inch ; size*, 34 *inches by* 24. MS.

A Plan of GEOGRAPHICAL POSITIONS as deduced from the Trigonometrical Operations carried on in the Peninsula of India from the year 1802 to 1806, under the superintendence of Capt. Wm. Lambton. *Scale*, 8 *miles to* 1 *inch ; size*, 30 *inches by* 50. MS.

A Plan of GEOGRAPHICAL POSITIONS as deduced from the Trigonometrical Operations carried on in the Peninsula of India from 1811 to 1814. By Lieut.-Col. Wm. Lambton. *Scale*, 8 *inches to* 1 *mile ; size*, 34 *inches by* 61. MS.

An UNFINISHED DRAWING, partly trigonometrical and partly topographical, including Madras, Seringapatam, and Cuddapah, without title. *Scale, 4 miles to* 1 *inch ; size,* 50 *inches by* 70. (251, R 96 on back.) MS.

Plan of the TRIANGLES between BEDER and TAHERKAIRA. Without title. *Scale,* 8 *miles to* 1 *inch ; size,* 33 *inches by* 13. A MS. copy, and also an impression of the plate engraved from it. This series was cancelled and superseded by the Section of the Great Arc from Beder to Seronj.

Plan of the TRIGONOMETRICAL OPERATIONS carried on in the Peninsula of India, from the year 1802 to 1814 inclusive, under the superintendence of Lieut.-Col. Wm. Lambton. London, 1827. *Scale,* 8 *miles to* 1 *inch ; on* 8 *sheets ; size of each,* 23 *inches by* 34.

Plan of the TRIGONOMETRICAL OPERATIONS in the Nizam's dominions, extending from Kurnool to the Godavery. By Lieut.-Col. Wm. Lambton. *Scale,* 8 *miles to* 1 *inch ; size,* 36 *inches by* 22.

Sketch of the PRINCIPAL TRIANGLES extending over that part of the Nizam's dominions laying to the eastward of Nirmul and Kurnool. By Lieut.-Col. Wm. Lambton and Capt. George Everest. *Scale,* 8 *miles to* 1 *inch; size,* 32 *inches by* 24.

Mackenzie's Triangulations.

Plan of a BASE measured near Adjampoor, September 1805, with the primary stations deduced from it for the Districts of Sheemogga and Hola-Honoor. Signed C. Mackenzie, Superintendent, Mysore Survey. *Scale,* 2 *miles to* 1 *inch; size,* 20 *inches by* 29. MS.

Plan of the PRIMARY STATIONS of the SURVEY of the CEDED DISTRICTS, exhibiting the series of triangles extended from the bases measured by the Assistant-Surveyors, one near Wadjar Curroor in May 1809, and another near Cuddapah in September 1811. Connecting on the west with the Primary Stations, deduced from the base measured near Hurryhurr in 1800 ; on the north extending to the river Toongabudra ; on the east with the stations near Chundergerry and Innacondah ; and on the south with the Primary Stations of the Mysore Survey. The whole embracing and forming the groundwork of the General Map of the Ceded Districts. Executed under the direction of the Surveyor-General's Office from 1809 to 1814. Signed, Fort St. George, 1st November 1815, Colin Mackenzie, Surveyor-General of India. *Scale,* 4 *miles to* 1 *inch ; size,* 60 *inches by* 75. MS.

Everest's Great Arc.

Skeleton Plan of the TRIANGLES comprising the SIXTH SECTION of the GRAND MERIDIONAL ARC, as also part of the fifth Section carried on under the superintendence of Capt. Geo. Everest of the Bengal Artillery. (Takalkhera Base to Sironj Base.) *Scale,* 8 *miles to* 1 *inch; size,* 45 *inches by* 15. MS.

Skeleton Plan of the APPROXIMATE SERIES of the GREAT ARC of INDIA, extending from Kalianpur to the Himalaya Mountains, carried on by Major Everest and the assistants under his orders in the seasons of 1833–1834. (Seronj Base to Dehra Doon Base.) *Scale,* 8 *miles to* 1 *inch ; size,* 72 *inches by* 13. MS.

Plan of the SECTION of the GREAT ARC SERIES, comprised between the bases of Sironj and Beder, and thence continued southerly to the stations of Topkunda and Goraegat. Surveyor-General's Office, Dehra Dun, 1st June 1845. Signed, Geo. Everest, Lieut.-Colonel, Surveyor-General of India. *Scale,* 4 *miles to* 1 *inch ; size,* 11 *feet* 3 *inches by* 2 *feet* 9 *inches.* MS.

Plan of the SECTION of the GREAT ARC SERIES of INDIA, comprised between the bases of Seronj and Beder, and thence continued southerly to the Stations of Goraegat and Topkonda. By Lieut.-Colonel Everest, Surveyor-General of India, and his Assistants. *Scale*, 10 *miles to* 1 *inch; size*, 64 *inches by* 13. A reduction of the foregoing plan, engraved for the published account of the Great Arc.

Plan of the SECTION of the GREAT ARC SERIES, comprised between the bases of Sironj and Dehra Dun, and thence continued approximately to the Station of Jharsu on the north and Simla on the west. Surveyor-General's Office, Dehra Dun, 1st June 1843. Signed, Geo. Everest, Lieut.-Colonel, Surveyor-General of India. *Scale*, 4 *miles to* 1 *inch; size*, 11 *feet* 3 *inches by* 2 *feet* 9 *inches*. MS.

Plan of the SECTION of the GREAT ARC SERIES of INDIA, comprised between the bases of Seronj and Dehra Dun, and thence continued approximately to the Station of Jharsu on the north and Simla on the west. By Lieut.-Colonel Everest, Surveyor-General of India, and his Assistants. *Scale*, 10 *miles to* 1 *inch; size*, 68 *inches by* 13. A reduction of the foregoing plan, engraved for the published account of the Great Arc.

Chart exhibiting the NORTHERN TERMINATION of the GREAT INDIAN ARC, which ends at the line Amsot to Banog. Surveyor-General's Office, Dinapore, 12th February 1847. Signed, A. S. Waugh, Capt. Engineers, Surveyor-General of India. *Scale*, 4 *miles to* 1 *inch; size*, 44 *inches by* 27. MS.

Preliminary CHART of the GREAT ARC SERIES. Season 1869–70. *Scale*, 4 *miles to* 1 *inch; size*, 25 *inches by* 36. Photozincograph.

*** The middle latitude of this Chart is 13° 45′; that of the following chart, with the same title and date, is 11° 30′.

Preliminary CHART of the GREAT ARC SERIES. Season 1869–70. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 40. Photozincograph.

Preliminary CHART of the GREAT ARC SERIES. Season 1870–71. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 42. Photozincograph.

*** The middle Latitude of this chart is 10° 45′, that of the following chart with the same title and date is 15°.

Preliminary CHART of the GREAT ARC SERIES. Season 1870–71. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 42. Photozincograph.

Preliminary CHART of the GREAT ARC SERIES. Season 1871–72. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 42 *inches by* 56. Photozincograph.

Minor TRIANGULATION from the GREAT ARC SERIES to KARNUL. Season 1872–73.

Also minor TRIANGULATION from the GREAT ARC SERIES to Cuddapah. Season 1871–72. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph.

Preliminary CHART of the GREAT ARC SERIES. Southern Section. Season 1873–74. *Scale*, 4 *miles to* 1 *inch; size*, 45 *inches by* 27.

Second Division.

North-east Longitudinal Series; Hodgson's and Herbert's Himalayan Triangulation; Philibit Terai Series; Bagwara to Banog; Amua and Karara Connecting Series; Assam Longitudinal Series; Cherapoonjee and Cachar Longitudinal Series; North-west Series; Hazara Branch Series.

NORTH-EAST LONGITUDINAL SERIES.

Chart of the NORTH-EAST LONGITUDINAL SERIES under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Beng. Eng., F.R.S., F.R.G.S., Hon. Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. Seasons 1845 to 1851. Section No. 1. *Scale*, 4 *miles to* 1 *inch; size* 69 *inches by* 61. *** This chart includes the Peaks of the Southern Himalaya from No. LIII. or Api to LXXIX. or Sargoroen. MS.

Chart of the NORTH-EAST LONGITUDINAL SERIES under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Beng. Eng., F.R.S., F.R.G.S., Hon. Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. Seasons 1845 to 1851. Section No. 2. *Scale*, 4 *miles to* 1 *inch; size*, 53 *inches by* 11 *feet* 8 *inches*. *** This chart includes the Peaks of the Southern Himalaya from No. I. or Chumulari to LII. MS.

**Hodgson's and Herbert's Himalayan Peaks.*

Plan of a Triangulation for determining THE POSITION OF CERTAIN OF THE PEAKS of the HIMALAYA MOUNTAINS. By Captain J. A. Hodgson and Lieut. J. D. Herbert. 1821. *Scale*, 8 *miles to* 1 *inch; size*, 20 *inches by* 23. MS.

**Pilibhit Tarai Series.*

Topographical Plan, compiled from route surveys, carried on by Captain A. S. Waugh, Engineers, Astronomical Assistant Great Trigonometrical Survey, and the Sub-assistants under his orders, for the SELECTION OF THE PRINCIPAL STATIONS OF THE PHILIBIT TERAI SERIES, Great Trigonometrical Survey of India, in the season of 1842–43. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 24. MS.

Skeleton plan of the TRIANGULATION carried on in the PILIBIT-TERAI, under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Capt. A. S. Waugh, Astronomical Assistant, Great Trigonometrical Survey, in the years 1842–43. *Scale*, 4 *miles to* 1 *inch*; *size*, 31 *inches by* 25. MS.

**Bagwara to Banog.*

Plan of the TRIANGULATION of the HIMALAYA LONGITUDINAL SERIES, conducted under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Captain J. S. Du' Vernet, Madras Infantry, 2nd Assistant, Great Trigonometrical Survey. 1843. (Bagwara to Banog, eastward of Dehra Doon.) *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 34. MS.

**Amua and Karara Connecting Series.*

Skeleton plan of the TRIANGULATION of the NORTH (EAST) LONGITUDINAL or CONNECTING SERIES, uniting the Meridians of Amua and Karara, conducted under the orders of Captain A. S. Waugh, Surveyor-General of India, by Capt. J. S. Du' Vernet, 1st Assistant, Great Trigonometrical Survey, in the season of 1843–44. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 24. MS.

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* *Note.*—These are portions of the North-east Longitudinal.

Skeleton plan of the TRIANGULATION of the NORTH (EAST) LONGITUDINAL SERIES (between Amua and Karara Meridional Series), carried on under the orders of Captain A. S. Waugh, Surveyor-General of India, by Captain J. S. Du' Vernet, 1st Assistant, Great Trigonometrical Survey, in the year 1843-44. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 22. MS., marked A. See also B, C, D, following. *** The triangles are the same as in the foregoing, but the rivers are added.

Plan showing the PRINCIPAL TRIANGLES of the KARARA MERIDIONAL SERIES, Great Trigonometrical Survey, observed during seasons 1842-3 and 1843-4.

Also on the same sheet :—

Plan showing proposed method of reducing the TRIANGULATION of the KARARA MERIDIONAL SERIES to a single series of triangles conformably to instructions of 10th and 25th Sept. 1844. *Scale*, 8 *miles to* 1 *inch; size*, 19 *inches by* 24. MS., marked B.

Sketch plan showing the APPROXIMATE POSITIONS of the STATIONS in the TRIANGLES proposed (if possible) to be observed on the Karara Meridional Series, Great Trigonometrical Survey, during the ensuing season. *Scale*, 8 *miles to* 1 *inch; size*, 17 *inches by* 11. MS., marked C.

Sketch of PRINCIPAL TRIANGLES, KARARA MERIDIONAL SERIES, Great Trigonometrical Survey, selected during the season 1837-38. *Size*, 19 *inches by* 11. MS., marked D.

*** See page 42 for the Amua and Karara Meridionals.

Assam Longitudinal Series.

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. 1853 to 1860. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 26 *inches by* 67. MS.

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. 1855 to 1860. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 42. Photozincograph, 1873.

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. Seasons 1852, '53, '54, '55, and 56. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 37. MS.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Executed with a 14-inch theodolite. Season 1868-69. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 28. Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Season 1870-71. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Season 1871-72. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph.

Preliminary Chart of the ASSAM VALLEY SURVEY, Great Trigonometrical Survey of India. Season 1872-73. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 42 *inches by* 56. Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, showing the positions of the Peaks, fixed by the operations of the Survey between E. Long. 91° 30′ and 94° 30′. Dehra Doon, 1875. *Scale,* 8 *miles to* 1 *inch; size,* 40 *inches by* 27.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION. Season 1873–74. *Scale,* 4 *miles to* 1 *inch*; *size,* 40 *inches by* 27. With 7 pages of letterpress, 4to.

⁂ Extended to the Peaks on the north and south, between 93° 30′ and 95° E′.

Cherrapoonjee, Sylhet, and Cachar Longitudinal Series.

Preliminary Chart of the CHERRAPOONJEE and SYLHET SERIES, Great Trigonometrical Survey of India. Seasons 1859–60 and 1860–61. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size* 68 *inches by* 56. Photozincograph. Also a MS. copy of the upper part.

⁂ This chart includes the snowy peaks of the Butan Himalaya.

Preliminary Chart of the CHERRAPOONJEE, SYLHET, and CACHAR SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 41. Photozincograph.

NORTH-WEST SERIES.

Chart exhibiting the PRINCIPAL and SECONDARY TRIANGULATION of the FIRST SECTION of the NORTH-WEST SERIES emanating from the Dehra Doon Base. Executed under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, Surveyor-General of India, by Captain J. S. Du Vernet and Sub-Assistants, Great Trigonometrical Survey, during the seasons 1847-48 to 1849–50. *Scale,* 4 *miles to* 1 *inch; size,* 57 *inches by* 52. MS.

Chart of the FIRST SECTION of the NORTH-WEST SERIES, under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, Surveyor-General of India. 1847 to 1854. *Scale,* 4 *miles to* 1 *inch; size,* 60 *inches by* 70. MS., and also impressions from engraved copper plates.

Skeleton plan of the PRINCIPAL and SECONDARY TRIANGLES, NORTH-WEST SERIES, Great Trigonometrical Survey of India. Season 1850–51. *Sheet No.* 1. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 40. MS.

Skeleton plan of MINOR TRIANGULATION dependent on the NORTH-WEST SERIES, Great Trigonometrical Survey of India, extending along the Ravi to Lahore, and thence across the Bari Doab viâ Amritsir to Bhyrowal. Executed by Mr. Sub-Assistant Hennessey with a 14-inch theodolite. Season 1850–51. *Sheet No.* 2. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 26. MS.

Chart continuing the NORTH-WEST SERIES of the GREAT TRIGONOMETRICAL SURVEY of INDIA to its termination at the Chuch Base Line of verification, and to the city of Peshawur. Also the triangulation originating the Great Indus Series as far as Mount Sakesir, near Kalabagh. Executed in season 1851–52. *Scale,* 4 *miles to* 1 *inch; size,* 47 *inches by* 51. MS.

Preliminary Chart of the NORTH-WEST HIMALAYA SERIES. Season 1850–51. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 28. Photozincograph, 1873.

Preliminary Chart of the NORTH-WEST HIMALAYA SERIES. Season 1851–52. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size* 42 *inches by* 66. Photozincograph, 1873.

Hazara Branch Series.

HAZARA BRANCH SERIES of the GREAT TRIGONOMETRICAL SURVEY of INDIA depending on the North-west Himalaya Series. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 19. MS.

THIRD DIVISION.

Calcutta and Kurrachee Great Longitudinal Series.

Kurrachee Longitudinal Series.—Kurrachee to Sironj.

Plan of Part I. of the GREAT LONGITUDINAL SERIES, WESTERN SECTION. Executed during the Field Seasons of 1848–49 and 1849–50, under the direction of Captain T. Renny Tailyour, 1st Assistant, Great Trigonometrical Survey, and Captain A. Strange, 2nd Assistant, Great Trigonometrical Survey. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 51. MS.

Plan of Part II. of the GREAT LONGITUDINAL SERIES, WESTERN SECTION. Executed during the Field Seasons of 1849–50 and 1850–51, under the direction of Captain A. Strange, 1st Assistant, Great Trigonometrical Survey. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 51. MS.

Part I., Preliminary Chart of GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Seasons 1848–49 and 1849–50. *Scale,* 4 *miles to* 1 *inch; size,* 27½ *inches by* 49. MS.

Part II., Preliminary Chart of the GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Season 1850–51. *Scale,* 4 *miles to* 1 *inch; size,* 31 *inches by* 49. MS.

Part III. Preliminary Chart of the GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Season 1851–52. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 49. MS.

Part IV. Preliminary Chart of the GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Season 1852–53. *Scale,* 4 *miles to* 1 *inch; size,* 36 *inches by* 48. MS.

Calcutta Longitudinal Series.—Calcutta to Sironj.

Plan of the CALCUTTA LONGITUDINAL SERIES of TRIANGLES delineating the geographical features of the country through which it has been extended (Calcutta to Seronj). In three sheets. Constructed from various materials in the office of the Surveyor-General of India, to accompany the 8th vol. 1st part of the General Report of the Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; on* 3 *large sheets (parts); size,* 50 *inches by* 180. MS.

Skeleton Plan of a LONGITUDINAL SERIES of TRIANGLES for connecting FORT WILLIAM with DODAGOONTAH, conducted by Mr. Joseph Olliver. *Scale,* 16 *miles to* 1 *inch; size,* 13 *inches by* 47. MS.

Skeleton Plan of the TRIANGULATION of a portion of the WEST CALCUTTA LONGITUDINAL SERIES around SAUGOR. (Without title or date.) *Scale,* 8 *miles to* 1 *inch; size,* 11 *inches by* 20. MS.

Skeleton Plan of the TRIANGULATION of a portion of the WEST CALCUTTA LONGITUDINAL SERIES near HAZAREEBAUGH. (Without title or date). *Scale,* 8 *miles to* 1 *inch; size,* 20 *inches by* 29. MS.

Preliminary Chart of revised portion of the WEST CALCUTTA LONGITUDINAL SERIES. Field Season 1863–64. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 55. MS.

Preliminary Chart of the CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India, comprised between longitude 80° and 84° 30′. Revised during seasons 1863–64 and 1864–65. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 78. MS.

No. 1. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 24 *inches by* 52. Photozincograph.

No. 2. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 28 *inches by* 41. Photozincograph.

No. 3. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 28. Photozincograph.

No. 4. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 28 *inches by* 51. Photozincograph.

Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES. Seasons 1867–68 and 1868–69. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 40. Photozincograph.

East Calcutta Longitudinal Series.—Calcutta to the Eastern Frontier.

Preliminary Chart of the EAST CALCUTTA LONGITUDINAL SERIES. Seasons 1862 to 1866. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 41. Photozincograph.

Preliminary Chart of the EAST CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. Season 1866–67. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 23. Photozincograph.

Fourth Division.

Primary Meridional Series and Secondary Triangles—North-east Division.

1. PRIMARY TRIANGULATION.—MERIDIONAL SERIES, NORTH-EAST DIVISION.

Eastern Frontier Meridional Series.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1862–63. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 28. MS. and photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1863–64. *Scale*, 4 *miles to* 1 *inch ; size*, 23 *inches by* 21. MS. and photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1864–65. *Scale*, 4 *miles to* 1 *inch ; size*, 36 *inches by* 25. MS. and photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1865–66. *Scale*, 4 *miles to* 1 *inch ; size*, 41 *inches by* 28. Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1866–67. *Scale*, 4 *miles to* 1 *inch ; on* 2 *sheets ; size*, 54 *inches by* 37. Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1867–68. *Scale*, 4 *miles to* 1 *inch ; size*, 28 *inches by* 35. Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES. Season 1868–69. *Scale*, 4 *miles to* 1 *inch ; size*, 28 *inches by* 33. Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES. Season 1873–74. *Scale*, 4 *miles to* 1 *inch ; size*, 25 *inches by* 27. Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES. Season 1874–75. *Scale*, 4 *miles to* 1 *inch ; size*, 40 *inches by* 27. Photozincograph.
*** Includes Pegu.

Brahmaputra Meridional Series.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1868–69. *Scale*, 4 *miles to* 1 *inch ; size*, 26 *inches by* 33. Photozincograph.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1869–70. *Scale*, 4 *miles to* 1 *inch ; size* 26 *inches by* 32. Photozincograph.
*** *See* Brahmaputra River Survey for Capt. Wilcox's Triangulation.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1872–73. *Scale*, 4 *miles to* 1 *inch ; size*, 28 *inches by* 42. Photozincograph.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1873–74. *Scale*, 4 *miles to* 1 *inch ; size*, 28 *inches by* 42. Photozincograph.

Calcutta Meridional Series.

Skeleton Plan of the TRIANGULATION of the CALCUTTA MERIDIONAL SERIES, carried on under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by John Peyton, Esq., Civil Chief Assistant, Great Trigonometrical Survey of India. Seasons 1844–45 to 1847–48. *Scale*, 4 *miles to* 1 *inch ; size*, 93 *inches by* 24. MS.

Chart of the RIVER HOOGLY from Calcutta to Kaskali, being a branch of the Calcutta Meridional Series of the Great Trigonometrical Survey of India. Surveyed by Mr. J. O. Nicolson, Senior Sub-assistant, under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India. 1846–47. *Scale*, 1 *mile to* 1 *inch ; size*, 62 *inches by* 37. MS.

North Malancha Meridional Series.

Chart of the NORTH MALUNCHA MERIDIONAL SERIES, Great Trigonometrical Survey of India. Executed in the years 1844 to 1846. *Scale,* 4 *miles to* 1 *inch; size,* 54 *inches by* 26. MS.

North Pareshnath Meridional Series.

Preliminary Chart of the NORTH PARASNATH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1850–51–52. *Scale,* 4 *miles to* 1 *inch; size,* 50 *inches by* 26. MS.

Chendwar Meridional Series.

Plan of the TRIANGULATION of the CHENDWAR MERIDIONAL SERIES, carried on under the superintendence of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by George Logan, Esq., First Assistant, Great Trigonometrical Survey, from January 1844 to April 1846. *Scale,* 4 *miles to* 1 *inch; size,* 59 *inches by* 23. MS.

Plan of PRINCIPAL and SECONDARY TRIANGLES, Chendwar Meridional Series, Great Trigonometrical Survey of India. Executed during the season 1846–47. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 25. MS.

Plan of the TRIANGULATION of the GUNDUCK RIVER from Rutwal to its junction with the Ganges, being a portion of the minor operations of the Chendwar Meridional Series. Executed by Messrs. H. Kulan and J. H. Rossenrode, Sub-assistants, Great Trigonometrical Survey of India, during the months of April, May, and June 1847. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 26. MS.

Chart of the CHENDWAR MERIDIONAL SERIES, Great Trigonometrical Survey of India. Executed in the years 1844 to 1846. *Scale,* 4 *miles to* 1 *inch; size,* 58 *inches by* 38. MS.

Hurilaong Meridional Series.

Preliminary Chart of the HURILAONG MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1848–49–50–51–52. *Scale,* 4 *miles to* 1 *inch; size,* 61 *inches by* 29. MS.

Gora Meridional Series.

Skeleton Plan of the TRIANGULATION of the GORA MERIDIONAL SERIES, carried on under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by Lieut. P. Garforth, Engineers, Second Assistant, and Sub-assistants of the Great Trigonometrical Survey under his direction. Executed in the seasons 1845–46–47. *Scale,* 4 *miles to* 1 *inch; size,* 68 *inches by* 23. MS.

Preliminary Chart of the GORA MERIDIONAL SERIES. Seasons 1845–47. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 84 *inches by* 28. Photozincograph, 1873.

Gurwani Meridional Series.

Plan of the TRIANGULATION of the GURWANI MERIDIONAL SERIES, carried on under the superintendence of Lieut.-Col. A. S. Waugh, Engineers, Surveyor-General of India, by Capt. J. S. Du Vernet, First Assistant, Great Trigonometrical Survey, including the route surveys dependent on that Triangulation. 1845 to 1847. *Scale,* 4 *miles to* 1 *inch; size,* 74 *inches by* 27. MS.

Sketch of the PRINCIPAL and SECONDARY TRIANGULATION, GURWANI MERIDIONAL SERIES. Great Trigonometrical Survey. Executed by Capt. J. S. Du Vernet, First Assistant, Great Trigonometrical Survey, during the season 1846–47. *Scale, 4 miles to 1 inch; size, 37 inches by 15.* MS.

Karara Meridional Series.

TOPOGRAPHICAL PLAN. Compiled from route surveys carried on by Captain J. S. Du' Vernet, 1st Assistant, Great Trigonometrical Survey, and the Sub-assistants under his orders, for the selection of the principal stations of the Karara Meridional Series, Great Trigonometrical Survey of India, in the season 1844–45. *Scale, 4 miles to 1 inch; size, 37 inches by 22.* MS.

Plan of the TRIANGULATION of the KARARA MERIDIONAL SERIES, carried on under the orders of Lieut.-Colonel G. Everest, late Surveyor-General of India; and completed under the orders of his successor, Captain A. S. Waugh, by Captain R. Shortrede, late 1st Assistant, Great Trigonometrical Survey, Captain J. S. Du Vernet, 1st Assistant, Great Trigonometrical Survey, and Mr. J. W. Armstrong, 2nd Principal Sub-assistant, Great Trigonometrical Survey. 1841 to 1845. *Scale, 4 miles to 1 inch; size, 71 inches by 23.* MS.

*** *See also* Second Division, Amua and Karara Connecting Series, pages 35, 36.

Amua Meridional Series.

TOPOGRAPHICAL PLAN. Compiled from route surveys carried on by Captain T. Renny, Engineers, 1st Assistant, Great Trigonometrical Survey, and the sub-assistants under his orders, for the selection of the principal stations of the Amua Meridional Series, Great Trigonometrical Survey of India, in the years 1833 to 1836. *Scale, 4 miles to 1 inch; size, 57 inches by 20.* MS.

TOPOGRAPHICAL PLAN of the AMUA MERIDIONAL SERIES, Great Trigonometrical Survey, during the season 1833–34. *Scale, 8 miles to 1 inch; size, 15 inches by 9.* MS.

TOPOGRAPHICAL PLAN. Compiled from route surveys of 1834–35 and 1835–36, and corrected by the approximate triangles of the Amua Meridional Series, Great Trigonometrical Survey. Season 1835-36. *Scale, 8 miles to 1 inch; size, 23 inches by 9.* MS.

TOPOGRAPHICAL PLAN. Compiled from route surveys for the determination of triangles for the Amua Meridional Series, Great Trigonometrical Survey. Season 1835–36. *Scale, 8 miles to 1 inch; size, 24 inches by 9.* MS.

Plan of the TRIANGULATION of the AMUA MERIDIONAL SERIES, carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Lieut. T. Renny, 1st Assistant, Great Trigonometrical Survey, and the Sub-assistants of the Great Trigonometrical Survey under his direction. *Scale, 4 miles to 1 inch; size, 97 inches by 22.* MS.

Plan of the TRIGONOMETRICAL OPERATIONS on the SUBORDINATE MERIDIONAL SERIES of AMUA. Conducted by Lieut. T. Renny, 1st Assistant, Great Trigonometrical Survey, and the sub-assistants under his orders, under instructions from Lieut.-Colonel G. Everest, Surveyor-General of India. *Scale, 4 miles to 1 inch; size, 98 inches by 23.* MS.

Preliminary Chart of the AMUA MERIDIONAL SERIES. Seasons 1833–39. *Scale, 4 miles to 1 inch; on 2 sheets; size, 84 inches by 28.* Photozincograph, 1873.

Rangir Meridional Series.

Plan of the TRIANGULATION of the RANGIR MERIDIONAL SERIES, carried on under the orders of Lieut.-Colonel G. Everest, Surveyor-General of India, by Captain A. S. Waugh, Astronomical Assistant, and the sub-assistants of the Great Trigonometrical Survey under his direction. *Scale,* 4 *miles to* 1 *inch; size,* 119 *inches by* 29. MS.

Map of ROUTE SURVEYS. RANGHER MERIDIONAL SERIES. Season 1835–36. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 15. MS.

Skeleton Plan of APPROXIMATE TRIANGLES of the RANGHER MERIDIONAL SERIES during the season 1835–36. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 11. MS.

Skeleton Plan of the RANGHER MERIDIONAL SERIES, Great Trigonometrical Survey. *Scale,* 8 *miles to* 1 *inch; size,* 42 *inches by* 13. MS.

Skeleton Plan of the TRIANGLES of the RANGHER MERIDIONAL SERIES, Great Trigonometrical Survey. *Scale,* 8 *miles to* 1 *inch; size,* 25 *inches by* 11. MS.

Plan of the RANGHER MERIDIONAL SERIES. *Scale,* 8 *miles to* 1 *inch; size,* 25 *inches by* 14. MS.

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Sheet No. 1. Seasons 1833–34 and 1836–37. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 42. Photozincograph.

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Sheet No. 2. Seasons 1836–41. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 42. Photozincograph.

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Seasons 1837–38, 1838–39, 1840–41. Sheet 3. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 28. Photozincograph, 1874.

Budaun Meridional Series.

Plan of the TRIANGULATION of the BUDHON MERIDIONAL SERIES, conducted under the orders of Lieut.-Colonel Everest, Surveyor-General of India; commenced by Lieut. MacDonald, of the 69th Native Infantry, in the year 1833, and terminated by Lieut. Renny, of the Bengal Engineers, in 1843. *Scale,* 4 *miles to* 1 *inch; size,* 107 *inches by* 23. MS.

Plan of TRIANGLES, deduced from ROUTE SURVEYS. *Scale,* 8 *miles to* 1 *inch; size,* 26 *inches by* 9. MS.

Skeleton Plan of TRIANGULATION. NORTH of BOODHON, H. S. Without title. *Scale,* 8 *miles to* 1 *inch; size,* 24 *inches by* 9. MS.

Preliminary Chart of the BUDHON MERIDIONAL SERIES. 1832 to 1844. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size of each,* 42 *inches by* 28. Photozincograph, 1873.

2. SECONDARY TRIANGULATION.

Gwalior and Central India Topographical Survey.

Skeleton Chart, showing the arrangement of the PRINCIPAL SECONDARY and MINOR TRIANGULATION, and of all the intersected points laid down therefrom, which fall within the plane table sections submitted with General Report of Gwalior and Central India Topographical Survey. Seasons 1860–61, 61–62, 62–63. *Scale,* 4 *miles to* 1 *inch ; size,* 38 *inches by* 43. MS.

Chart of TRIANGULATION, showing the principal, secondary, and minor stations of the Gwalior and Central India Topographical Survey. Seasons 1860–61, 61–62, 62–63. *Scale,* 4 *miles to* 1 *inch ; size,* 39 *inches by* 50. MS.

TRIANGULATION CHART of the GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY, to accompany Degree Sheet No. 3. Seasons 1863 to 1866. *Scale,* 4 *miles to* 1 *inch ; size,* 22 *inches by* 20. MS.

Chart of TRIANGULATION. Bundelcund Topographical Survey. Half-degree sheets XV. and XVI., and parts of XIV. and XVII. 1871. *Scale,* 4 *miles to* 1 *inch ; size,* 27 *inches by* 20. Photozincograph.

Kumaon and Garhwal Series.

Preliminary Chart of the KUMAON and GURHWAL SERIES, Great Trigonometrical Survey of India. Seasons 1864–65, 1865–66. *Scale,* 4 *miles to* 1 *inch ; size,* 28 *inches by* 42. Photozincograph.

EASTERN CONTINUATION of the Preliminary Charts of the KUMAON and GURHWAL SERIES, Great Trigonometrical Survey of India. Seasons 1866, '67, '68, '69. *Scale,* 4 *miles to* 1 *inch ; size,* 28 *inches by* 40.

FIFTH DIVISION.

Primary Meridional Series and Secondary Triangles—North-west Division.

1. PRIMARY TRIANGULATION.

Rahun Meridional Series.

Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey. Season 1852–53. *Scale,* 4 *miles to* 1 *inch ; size,* 30 *inches by* 24. Original MS., with a separate list of latitudes and longitudes.

Preliminary Chart of the RAHUN MERIDIONAL SERIES. Season 1852–53. *Scale,* 4 *miles to* 1 *inch ; size,* 42 *inches by* 28. Photozincograph, 1872.

No. 2. Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1855–56. *Scale,* 4 *miles to* 1 *inch ; size,* 32 *inches by* 25. MS.

Preliminary Chart of the RAHUN MERIDIONAL SERIES. Season 1855–56. *Scale,* 4 *miles to* 1 *inch ; size,* 42 *inches by* 28. Photozincograph, 1872.

No. 3. Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1856–57. *Scale,* 4 *miles to* 1 *inch ; size,* 29 *inches by* 25. MS.

Preliminary Chart of the RAHUN MERIDIONAL SERIES. Season 1856–57. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1860–61. (With Ulwar and Sambhur minor triangulation.) *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 42. MS.

The same Photozincographed in 1869.

Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 85. Photozincograph and MS.

Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1862–63. *Scale*, 4 *miles to* 1 *inch; size*, 29 *inches by* 28. Photozincograph and MS.

Gurhagarh Meridional Series.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1858–59 and 1859–60. *Scale*, 4 *miles to* 1 *inch; size*, 43 *inches by* 22. MS.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES. Seasons 1858–60. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1871.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1860–61. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 26. MS.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES Season 1860–61. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph 1873.

No. 3. Preliminary Chart of the GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1861–62. *Scale*, 4 *miles to* 1 *inch; on* 3 *sheets; size*, 72 *inches by* 42. Photozincograph and MS.

GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Chart of a Reconnaissance made during Field season 1861-62 in Beekaneer and Jodhpoor. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 33. MS.

Jodhpur Meridional Series.

Preliminary Chart of the JODHPUR MERIDIONAL SERIES. Season 1872–73. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph.

Preliminary Chart of the JODHPUR MERIDIONAL SERIES. Season 1873–74. *Scale*, 4 *miles to* 1 *inch; on* 1 *sheet; size*, 40 *inches by* 27. Photozincograph, with letterpress.

Preliminary Chart of the JODHPUR MERIDIONAL SERIES. Season 1874–75. *Scale*, 4 *miles to* 1 *inch; size*, 40 *inches by* 27. Photozincograph with letterpress.

Kashmir Meridional Series.

Preliminary Chart of the KASHMIR MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1855. *Scale*, 4 *miles to* 1 *inch; size*, 51 *inches by* 56. MS.

Preliminary Chart of the KASHMIR MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1855–56. *Scale*, 4 *miles to* 1 *inch; size*, 56 *inches by* 52. MS.

Preliminary Chart of the KASHMIR MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1861, '62, and '63. *Scale*, 4 *miles to* 1 *inch; size*, 70 *inches by* 58. MS.

Preliminary Chart of JAMOO, KASHMIR, and THIBET. Triangulated under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Bengal Engineers, F.R.S., F.R.G.S., Honorary Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent, Great Trigonometrical Survey. By Captain T. G. Montgomerie, Engineers, F.R.G.S., First Assistant, Great Trigonometrical Survey of India, and the Assistants under his orders. 1855 to 1859. *Scale*, 4 *miles to* 1 *inch; size*, 71 *inches by* 74. MS.

Sheet No. 1 of the Preliminary Charts of the KASHMIR SERIES, containing the Khagan Minor Triangulation. Season 1862–63. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 2 of the Preliminary Charts of the KASHMIR SERIES, containing also the Jhilam and Punch Minor Triangulation. Season 1856–58. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 3 of the Preliminary Charts of the KASHMIR SERIES, containing also the Astor Minor Triangulation. Seasons 1857–58 and 1862–63. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 32 *inches by* 45. Photozincograph, 1872.

Sheet No. 4 of the Preliminary Charts of the KASHMIR SERIES, containing also the Keshanganga, Punch, Lidar and Sind, Dras and Suru and Wardwan Minor Triangulations, with Secondary Triangulation in the Valley of Kashmir. Seasons 1855–60. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 31 *inches by* 46. Photozincograph, 1872.

Sheet No. 5 of the Preliminary Charts of the KASHMIR SERIES, containing also the Basoli, Balor and Pador, Chenab and Toce Triangulation and Secondary Triangulation, based on the N.W. Himalaya series. Seasons 1856, 57, 58. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 42. Photozincograph, 1872.

Sheet No. 6 of the Preliminary Charts of the KASHMIR SERIES, containing also the Upper Indus and Shayok Minor Triangulation. Seasons 1855–60. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 7 of the Preliminary Charts of the KASHMIR SERIES, containing also the Baralacha and Zanskar Triangulation. Season 1860–61. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 8 of the Preliminary Charts of the KASHMIR SERIES, containing the Changchenmo Triangulation. Season 1862. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 9 of the Preliminary Charts of the KASHMIR SERIES, containing the Upper Indus, Baralacha, and Changchenmo Triangulation. Seasons 1859–62. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 28. Photozincograph, 1872.

Sheet No. 10 of the Preliminary Charts of the KASHMIR SERIES, containing the Changchenmo Minor Triangulation. Season 1862. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 28. Photozincograph, 1872.

Index to the Charts of the KASHMIR SERIES TRIANGULATION, Great Trigonometrical Survey of India. *Scale,* 32 *miles to* 1 *inch; size,* 14 *inches by* 21. Photozincograph, 1872.

Tillail, Khagan, and Astor Triangulations.

Preliminary Chart of the TILLAIL, KHAGAN, and ASTOR TRIANGULATIONS, Great Trigonometrical Survey of India. 1861–62. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 53. MS.

Preliminary Chart of the ASTOR TRIANGULATION, Great Trigonometrical Survey of India. Season 1863. *Scale,* 4 *miles to* 1 *inch; size,* 31 *inches by* 23. MS.

Preliminary Chart of the TILLAIL, KHAGAN, and ASTOR TRIANGULATIONS, Great Trigonometrical Survey of India. Seasons 1861, '62, and '63. *Scale,* 4 *miles to* 1 *inch; size,* 44 *inches by* 49. MS.

Jogi Tila Meridional Series.

Preliminary Chart of the JOGI TILA SERIES. Season 1854–55. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 22. MS.

No. 2. Preliminary Chart of the JOGI TILA MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1855–56. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 24. MS.

Preliminary Chart of the JOGI TILA MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1856–57. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 23. MS.

Sutlej Series.

Preliminary Chart of the SUTLEJ SERIES, Great Trigonometrical Survey of India. Seasons 1860–61 and 1861–62. *Scale,* 4 *miles to* 1 *inch; size,* 41 *inches by* 54. MS.

SUTLEJ SERIES, Great Trigonometrical Survey of India. Preliminary chart of minor triangulation along the River Chenab. Season 1862–63. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 42. MS.

*** East of Jogi Tila Meridional Series.

Preliminary Chart of the SUTLEJ SERIES, Great Trigonometrical Survey of India. Season 1862–63. *Scale,* 4 *miles to* 1 *inch; size,* 33 *inches by* 37. MS.

*** West of Jogi Tila Meridional Series.

Preliminary Chart of the SUTLEJ SERIES. Sheet No. 1, seasons 1860–62; Sheet No. 2, season 1861–62; Sheets No. 3 and 4, season 1862–63. *Scale,* 4 *miles to* 1 *inch.* Photozincographs, 1872.

Great Indus Series.

No. 7. The revised approximate Plan of the GREAT INDUS SERIES, and of the KHELAT BOUNDARY SURVEY in connection. Executed by Mr. J. W. Rossenrode, in charge of the Surveyed Boundary. *Size*, 29 *inches by* 21. MS.

No. 8. The approximate Plan of the GREAT INDUS SERIES and of the KHELAT BOUNDARY in connection. Executed by Mr. J. W. Rossenrode, Surveyor. *Size*, 29 *inches by* 21. MS.

Preliminary Chart of GREAT INDUS SERIES, Great Trigonometrical Survey of India. Season 1856–57. *Scale*, 4 *miles to* 1 *inch; size*, 45 *inches by* 47. MS.

Preliminary Chart of the GREAT INDUS SERIES, Great Trigonometrical Survey of India. Seasons 1857–58 and 1858–59. *Scale*, 4 *miles to* 1 *inch; size*, 46 *inches by* 39. MS.

Preliminary Chart of the GREAT INDUS SERIES, Great Trigonometrical Survey of India. Season 1859–60. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 50. MS.

GREAT TRIGONOMETRICAL SURVEY of INDIA. Preliminary Chart of the Great Indus Series. 1855 to 1860. *Scale*, 4 *miles to* 1 *inch.* Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Dehra Doon, 1871. *Size of each*, 28 *inches by* 40. Photozincographs.

2. SECONDARY TRIANGULATION.

Jhelum, Rawalpindi, &c. Survey.

Chart of TRIANGULATION, forming the basis of the Survey of Jheelum, Rawal-Pindi, &c. in the Kohistan of the Sind Saugor Doab, executed under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Bengal Engineers, F.R.S. and F.R.G.S., Hon. Associate Geogl. Soc. of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent, Great Trigonometrical Survey. By Captain D. G. Robinson, Engineer, F.R.G.S., First Assistant, Surveyor-General's Department, and the Assistants under his orders. *Scale*, 4 *miles to* 1 *inch; size*, 36 *inches by* 49. MS.

Ravi and Chenab Rivers.

MINOR TRIANGULATION from the JOGI TILA MERIDIONAL SERIES along the RAVEE and CHENAB RIVERS. Seasons 1861–63. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 32 *inches by* 42. Photozincograph, 1872.

Rajputana Survey.

RAJPOOTANA TOPOGRAPHICAL SURVEY. Chart of Triangulation of Degree Sheet V. 1867 to 1871. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 20. Photozincograph.

Sixth Division.

Primary Meridional and Longitudinal Series and Secondary Triangles, South-eastern Division.

1. PRIMARY TRIANGULATION—MERIDIONAL SERIES.

Madras Coast and South Malancha Series.

I. Manuscript Set.

1.

No. 1. Preliminary Chart with NUMERICAL VALUES of the COAST SERIES and SOUTH MALUNCHA SERIES, Great Trigonometrical Survey of India. 1846 to 1854. *Scale*, 4 *miles to* 1 *inch ; size*, 40 *inches by* 44. MS.

2.

No. 2. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1854–55. *Scale*, 4 *miles to* 1 *inch ; size*, 30 *inches by* 26. MS.

THE COAST LINE from the Barabalang River to the Chilka Lake. Surveyed between the years 1857 and 1861. *Scale*, 4 *miles to* 1 *inch ; size*, 38 *inches by* 45. MS.

3.

No. 3. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1854, '55, and '56. *Scale*, 4 *miles to* 1 *inch ; size*, 23 *inches by* 27. MS.

4.

No. 4. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1856–57. *Scale*, 4 *miles to* 1 *inch ; size*, 31 *inches by* 24. MS.

5.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1857–58 and 1858–59. *Scale*, 4 *miles to* 1 *inch ; size*, 26 *inches by* 38. MS.

6.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1859–60. *Scale*, 4 *miles to* 1 *inch ; size*, 24 *inches by* 37. MS.

7.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1860–61. *Scale*, 4 *miles to* 1 *inch ; size*, 26 *inches by* 39. MS.

8.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1861–62. *Scale*, 4 *miles to* 1 *inch*.

Also, on the same sheet:—

Preliminary Chart of the COAST LINE, MINOR SERIES. Season 1861-62. (Continued from No. 7.) *Scale,* 2 *miles to* 1 *inch; size,* 29 *inches by* 50. MS.

9.

Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Season 1863–64. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 26. MS.

10.

Preliminary Chart of the MADRAS MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1864–65. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 26. MS.

II. Photozincographed Edition.

No. 1. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1846 to 1852. *Scale,* 4 *miles to* 1 *inch; size,* 41½ *inches by* 28.

No. 2. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1852, '53, and '54. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 41½.

No. 3. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1854, '55, and '56. *Scale,* 4 *miles to* 1 *inch; size,* 26½ *inches by* 28.

No. 4. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1856–57. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 29.

No. 5. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1857–58 and 1858–59. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 37.

No. 6. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1859–60. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 41½.

No. 7. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1860–61. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 41.

No. 8. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1861–62. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 30.

No. 9. Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Seasons 1863–64. *Scale,* 4 *miles to* 1 *inch; size,* 41 *inches by* 28.

No. 10. Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Season 1863–64. *Scale,* 4 *miles to* 1 *inch; size,* 41 *inches by* 27½.

Preliminary Chart of the COAST LINE, MINOR SERIES, Great Trigonometrical Survey of India. Season 1861–62. *Scale,* 2 *miles to* 1 *inch; size,* 28 *inches by* 28. (Continued from the Photozincographed Coast Series, No. 7.)

Minor Triangulation from the COAST SERIES to MASULIPATAM and POINT DIVY LIGHTHOUSE. Seasons 1863–64, and 1865–66. *Scale, 4 miles to 1 inch; size,* 28 *inches by* 28. . Continued from the Photozincographed Coast Series, Nos. 8 and 9.

*** The foregoing Series extends from Calcutta to Madras.

TOPPING'S TRIANGULATION.

A TRIGONOMETRICAL SURVEY of the COAST of MADRAS, the Triangulation including Fort St. George, in Madras, on the North, and the northern shore of Palk Strait and Point Calimere on the South, but the coast line is only inserted between the Strait and Pondicherry. By Michael Topping, about 1790. *Without title. Scale,* 2 *miles to* 1 *inch; size,* 92 *inches by* 30. Two MSS., one of which is signed by the Surveyor.

*** The construction of the Chart is explained in a note.

South Pareshnath Meridional Series.

Plan of the TRIANGULATION of the PARASNATH MERIDIONAL SERIES, Southern Section, conducted under the orders of Lieut.-Colonel G. Everest, late Surveyor-General of India, by Lieut. A. H. E. Boileau, between the years 1835 and 1840; to connect with Lieut. B. Buxton's Triangulation of Cuttack, executed between 1818 and 1821. *Scale,* 4 *miles to* 1 *inch; size,* 60 *inches by* 26. MS.

SOUTH PARASNATH MERIDIONAL SERIES:—

No. 1. Sketch of Lieut. Western's Triangulation. 1834.
No. 2. Sketch of Lieut. Boileau's intended Series. 1835–36.
No. 3. Sketch of Lieut. Boileau's principal Series. 1836–37.
No. 4. General Sketch of Lieut. Boileau's principal Angles. 1836 and '37.

Scale, 8 *miles to* 1 *inch; size of each,* 16 *inches by* 10. MSS.

Plan of TRIANGLES on the PARASNATH MERIDIAN. *Scale,* 8 *miles to* 1 *inch; size,* 42 *inches by* 17. MS.

Bilaspur Meridional Series.

Preliminary Chart of the BELASPUR MERIDIONAL SERIES. Season 1869–70. *Scale,* 4 *miles to* 1 *inch; on* 3 *sheets; size,* 32 *inches by* 60. With letter-press description of Stations, &c., on 7 pages folio. Photozincograph.

Preliminary Chart of the BELASPUR MERIDIONAL SERIES. Season 1870–71. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 42. Photozincograph.

Preliminary Chart of the BILASPUR MERIDIONAL SERIES. Season, 1871–72. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 42. Photozincograph.

Preliminary Chart of the BILASPUR MERIDIONAL SERIES. Season 1872–73. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets.* Photozincograph. With letter-press.

*** *See also* "Beder Longitudinal Series."

Jubbulpore Meridional Series.

1.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1864–65. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 28 *inches by* 41. Photozincograph.

2.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1865–66. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 28. Photozincograph.

3.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES. Season 1866–67. *Scale*, 4 *miles to* 1 *inch; size*, 41 *inches by* 28. One copy dated February 1868, and another, with additions, dated October 1869. Photozincograph.

4.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES. Season 1867–68. *Scale*, 4 *miles to* 1 *inch*. Route Surveys and minor triangulation. Field Season 1868–69. *On* 2 *sheets; size*, 44 *inches by* 28. Photozincograph.

2. PRIMARY TRIANGULATION.—LONGITUDINAL SERIES.

Kolhan and Sambalpur Longitudinal Series.

(Chota Nagpore Divisional Survey.)

Chart of TRIANGULATION of Part of KOLHAN LONGITUDINAL SERIES and SUMBHULPORE and KOLHAN JUNCTION SERIES. Season 1860–61. *Scale*, 4 *miles to* 1 *inch*. (Appertaining to No. 4, or Chota Nagpore Topographical Survey.) *Size*, 33 *inches by* 23. MS.

KOLHAN LONGITUDINAL SERIES extending through the Country of the Kols. District Singhbhoom. S.W. Frontier. Season 1859–60. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 40. MS.

Preliminary Chart of the SUMBULPORE BRANCH (Longitudinal) SERIES, emanating from the principal Series, Baniajori to Daiteri of the Coast Series, Great Trigonometrical Survey of India. Season 1856–57. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 39. MS.

Bidar Longitudinal Series.

Preliminary Chart of the BEDER LONGITUDINAL SERIES. Seasons 1868–69. *Scale*, 4 *miles to* 1 *inch; size*, 40 *inches by* 27. Photozincograph.

Preliminary Chart of the BEDER LONGITUDINAL SERIES. Season 1869–70. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 29. Photozincograph.

Preliminary Chart of the BIDER LONGITUDINAL and BILASPUR MERIDIONAL SERIES. Season 1871–72. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 42. Photozincograph.

Madras Longitudinal Series.

Preliminary Chart of the MADRAS LONGITUDINAL and GREAT ARC SERIES. Season 1865–68. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 30 *inches by* 54. *With letter-press description of stations, &c.*, 14 *pp. folio.*

*** Extending from Arcot to Mysore.

Ramnad Longitudinal Series.

Preliminary Chart of the RAMNAD LONGITUDINAL SERIES. Season 1874–75. *Scale*, 4 *miles to* 1 *inch ; size*, 40 *inches by* 27. With letter-press description of stations, &c., 11 pages, folio.

3. SECONDARY TRIANGULATION.

Chota Nagpore, &c. Survey.

Skeleton Map containing the Positions of the Principal Points and general construction of Lieut. Smith's Map of a Survey of part of the S.W. Frontier. (Received 1830.) *Scale*, 3½ *inches to* 1 *mile ; size*, 60 *inches by* 54. MS.

TRIANGULATION Chart of the No. 4 TOPOGRAPHICAL PARTY, CHOTA NAGPORE DIVISION SURVEY. Season 1861–62. *Scale*, 4 *miles to* 1 *inch ; size*, 27 *inches by* 40. MS.

TRIANGULATION Chart of the No. 4 TOPOGRAPHICAL PARTY, CHOTA NAGPORE DIVISION SURVEY. Season 1862–63. *Scale*, 4 *miles to* 1 *inch ; size*, 33 *inches by* 26. MS.

TRIANGULATION Chart, CHOTA NAGPORE TOPOGRAPHICAL SURVEY. Seasons 1863, 64, 65. *Scale*, 4 *miles to* 1 *inch ; size*, 27 *inches by* 31. MS.

Buxton's Triangulation in Cuttack.

Plan of the TRIANGLES used in the SURVEY of CUTTACK (town) and its vicinity, A.D. 1818. B. Buxton, Ensign of Engineers and Surveyor. (No. 1.) *Scale*, 4 *inches to* 1 *mile ; size*, 29 *inches by* 33½. MS.

TRIANGULATION in Part of CUTTACK by Lieut. B. Buxton. (No 2, no title or scale.) *Scale*, 1 *mile to* 1 *inch ; size*, 29 *inches by* 37. MS.

TRIANGULATION in Part of CUTTACK, by Lieut. B. Buxton. (No. 3, no title or scale.) *Scale*, 1 *mile to* 1 *inch ; size*, 41 *inches by* 29. MS.

Cuttack, Ganjam, &c. Topographical Survey.

Chart of TRIANGULATION executed by Captain G. H. Saxton, Assistant Surveyor-General. Seasons 1850–51, 52 and 53. *Scale*, 4 *miles to* 1 *inch ; on* 2 *sheets ; size*, 39 *inches by* 52. MS.

TRIANGULATION of the Second Order, forming the BASIS of a TOPOGRAPHICAL SURVEY of a portion of the CUTTACK TRIBUTARY MEHALS and S.W. Frontier of Bengal. 1853–54. *Scale*, 4 *miles to* 1 *inch ; size*, 18 *inches by* 28. MS.

TRIANGULATION Chart. GANJAM TOPOGRAPHICAL SURVEY. Season 1854–55. *Scale*, 4 *miles to* 1 *inch ; size*, 29 *inches by* 19¼. MS.

TRIANGULATION of the Second Order, forming the BASIS of a TOPOGRAPHICAL SURVEY of a portion of the TRIBUTARY MEHALS of Cuttack and S.W. Provinces of Bengal. Season 1855, '56, '57. *Scale*, 4 *miles to* 1 *inch ; size*, 19 *inches by* 22. MS.

No. 1 Party, GANJAM SURVEY. TRIANGULATION in GOOMSOOR, BOAD, SONPUR, and PATNA, executed by Captain G. H. Saxton. Season 1858–59. *Scale, 4 miles to 1 inch; size, 21 inches by 31.* MS.

No. 2 Party, GANJAM SURVEY. SECONDARY TRIANGULATION, based on the SOUTH PARASNATH MERIDIONAL SERIES, executed by J. O. Nicholson, Assistant Surveyor-General. Season 1858–59. *Scale, 4 miles to 1 inch; size, 30 inches by 26.* MS.

TRIANGULATION extending through the KHOOND MALS of GOOMSOOR and KIMEDI, by Captain G. H. Saxton, in Season 1859-60. *Scale, 4 miles to 1 inch; size, 25½ inches by 32.* MS.

TRIANGULATION extending through portions of VIZAGAPATAM, GANJAM, and CUTTACK DISTRICTS, and NAGPUR PROVINCE (Central Provinces). Executed in Seasons 1860–61. *Scale, 4 miles to 1 inch; size, 39 inches by 23.* MS.

TRIANGULATION through SOUTH-EASTERN part of CHUTTEESGURH DIVISION, CENTRAL PROVINCES. Season 1861-62. *Scale, 4 miles to 1 inch; size, 26 inches by 19.* MS.

TRIANGULATION within the INDEPENDENT STATES under SUMBULPUR CENTRAL PROVINCES, executed in Season 1862–63. *Scale, 4 miles to 1 inch; size, 31 inches by 26.* MS.

GANJAM and ORISSA (CUTTACK) TOPOGRAPHICAL SURVEY. Season 1863–64. Chart of Triangulation of portions of Rajpur, Belaspur, &c. *Scale, 4 miles to 1 inch; size, 37 inches by 25.* MS.

Plan of TRIANGLES carried on through the GANJAM DISTRICT. *Scale, 4 miles to 1 inch; size, 39 inches by 27.* MS.

Sketch of TRIANGULATION in the GANJAM DISTRICT, between parallels of 18° 50′ and 19° 30′ and meridians of 83° 30′ and 84° 30′. *Scale, 4 miles to 1 inch; size, 13 inches by 19.* No title. MS.

Plan of TRIANGLES, NORTHERN CIRCAR SURVEY. Chiefly in the Rajahmundry District, by Captain C. Snell. *Scale, 4 miles; size, 26 inches by 44.* MS.

Plan of TRIANGULATION in part of the foregoing District, including Rajamundry and Ellore. Without title. *Scale, 2 miles to 1 inch; size, 29 inches by 39.* MS.

Nellore Survey.

Plan of PRINCIPAL and SECONDARY TRIANGLES of the NELLORE DISTRICT SURVEY. Signed S. C. Macpherson, Assistant Surveyor-General. *Scale, 4 miles to 1 inch; size, 37 inches by 26.* MS. (The title is taken from an endorsement on the back of the plan. The area includes lat. 14° to 16° N., long 79° to 80° 20′ E. Gr.).

Plan of TRIANGLES in the PALNAUD DISTRICT (KISTNAH). Executed in the year 1829. *Scale, 4 miles to 1 inch; size, 14 inches by 20.* MS.

Central Provinces (Nagpore). Captain A. Stewart's Secondary Triangulation.

Skeleton plan of TRIANGLES, explanatory of the operations carried on in the Nagpoor territory by Captain A. Stewart in 1822, '23, '24, and by Messrs. F. B. Norris and E. Weston in 1824, '25, '26, '27, '28, '29, '30. *Scale,* 8 *miles to* 1 *inch; size,* 39 *inches by* 26. MS.

Rough sketch of TRIANGLES proposed to be extended from Col. Lambton's measured base near Ellichpur to Nagpoor, Seetabuldee, by Captain A. Stewart, 16th Regt. M.N.I. *Scale, about* 3 *miles to* 1 *inch; size,* 10 *inches by* 29. MS., marked 2.

Chain of TRIANGLES Eastward of the BASE LINE near ELLICHPUR, measured by Colonel Lambton; by Captain A. Stewart. *Scale,* 2¼ *miles to* 1 *inch; size,* 12 *inches by* 21. MS., marked 3.

Chain of TRIANGLES proceeding from Colonel Lambton's measured base (at Takalkhera) near Elichpoor of 37,914 feet to one of verification measured near Nagpoor of 22,080 feet. By Captain A. Stewart, M.N.I. Revised and calculated by Mr. F. B. Norris. *Scale,* 4 *miles to* 1 *inch; size,* 8 *inches by* 39. MS., marked A.

Plan of TRIANGULATION from SEETABULDEE (NAGPOOR), Eastward. No title. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 23. MS., marked a.

Plan of TRIANGULATION, partly repeating the Northern portion of the foregoing. Without title. *Size,* 12 *inches by* 18. MS., marked a′.

Plan of TRIANGULATION East of NAGPORE, in continuation of the foregoing. Without title. *Size,* 14 *inches* by 13. MS., marked a″.

⁂ Both sides of the paper are occupied. The work on one side is not quite continuous on the other.

Plan of TRIANGULATION Eastward of NAGPORE, repeating part of the foregoing. Without title. *Size,* 7 *inches by* 10. MS., on both sides of paper, marked a‴.

Plan of TRIANGULATION from SEETABULDEE (NAGPORE), Southward. No title. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 31. MS., marked d′.

TRIANGLES South-west of SEETABULDEE, by Captain A. S. Stewart, 16th M.N.I. 1822 to 1823. *Scale,* 8 *miles to* 1 *inch; size,* 12 *inches by* 18. MS. (Included in the foregoing MS. marked d′.)

Plan of TRIANGLES from SEETABULDEE (NAGPORE), South-eastward, including part of the foregoing. No title. *Scale,* 4 *miles to* 1 *inch; size,* 18 *inches by* 27. MS., marked D.

Plan of TRIANGLES, including part of the foregoing. No title. *Scale,* 4 *miles to* 1 *inch; size,* 16 *inches by* 13. MS.

Plan of TRIANGLES filling up the South-eastern corner of the plan Southward from Seetabuldee before mentioned. No title. *Scale,* 4 *miles to* 1 *inch; size,* 16 *inches by* 14. MS.

Skeleton Map showing the TRIANGLES Northward of SEETABULDEE. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 40. MS.

Sketch of TRIANGULATION from South-west to North-east of SEETABULDEE (NAGPORE) with Hills. By Captain Stewart. *Scale*, 2 *miles to* 1 *inch; size*, 18 *inches by* 37. MS.

Plan of TRIANGLES on the North of SEETABULDEE (NAGPORE) about Chindwara. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 16. MS.

Sketch Map of TRIANGLES between the GODAVERY and PRANHEETA RIVERS, including Col. Lambton's points, Kistnapet and Bopalputnum, marked E. No title. *Scale*, 4 *miles to* 1 *inch; size*, 12 *inches by* 23. MS.

A copy of the foregoing extended North and South. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 19. MS.

Sketch of TRIANGLES extending Northward from the foregoing. *Scale*, 4 *miles to* 1 *inch; size*, 17 *inches by* 22. MS.

Map of a SURVEY of the TRACT of COUNTRY between the GODAVERY and PRANHEETA RIVERS, connecting Colonel Lambton's stations of Kistnapett, Ramgur, Pertaubgurh, and Bopalputnum, by a route survey with Chandah, and Chandah with Seetabuldee, by a net of triangles. By Captain A. Stewart, late Superintendent Nagpore Survey, 1824. *Scale*, 8 *miles to* 1 *inch; size*, 24 *inches by* 15. MS.

SEVENTH DIVISION.

Secondary Triangles, Hyderabad Survey—Central Division.

Hyderabad Triangulation.

Skeleton plan of PRINCIPAL and SECONDARY TRIANGULATION, No. 2 Topographical Party, Hydrabad Survey. Based upon the following principal sides of the Great Arc Series: Wirur to Ihjkera, Dhar to Ashti, Dhar to Nilgarh. Seasons 1855–56, '56–57, '57–58, '59–60. *Scale*, 8 *miles to* 1 *inch; size*, 28 *inches by* 26. MS.

Chart of the TRIANGULATION of No. 2 Topographical Party, Hydrabad Survey. Season 1861–62. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 36. MS.

Chart of the TRIANGULATION of No. 2 Topographical Party, Hydrabad Survey. Season 1862–63. *Scale*, 8 *miles to* 1 *inch; size*, 23 *inches by* 29. MS.

Chart of the TRIANGULATION of No. 2 Topographical Party, Hydrabad Survey. Season 1863–64. Two distinct surveys, on 2 sheets. *Scale of each*, 4 *miles to* 1 *inch; size of each*, 23 *inches by* 24. MSS.

Chart of the TRIANGULATION of No. 2 Topographical Party, Hydrabad Survey. Season 1865–66. *Scale*, 4 *miles to* 1 *inch; size*, 17 *inches by* 19. MS.

Sketch of PRINCIPAL TRIANGLES extending over the tract comprehended between the KISTNA and GODAVERY RIVERS. By Lieut.-Colonel Lambton and Captain Everest. To which is added a series of triangles on the Western Frontier of the Nizam's Dominions, by Captain Garling. *Scale,* 8 *miles to* 1 *inch ; size,* 37 *inches by* 50. MS.

Plan of TRIANGLES carried on between the months of June and September 1819 (between Kurnool and Nirmul and eastward of Hyderabad), in the dominions of His Highness the Nizam. By Captain G. Everest. *Scale,* 8 *miles to* 1 *inch ; size,* 33 *inches by* 26. MS.

Sketch of the PRINCIPAL TRIANGLES extending over that part of the NIZAM'S DOMINIONS lying to the eastward of (the road between) Nirmul and Kurnool. *Scale,* 8 *miles to* 1 *inch : size,* 33 *inches by* 25. MS.

BASSIM. Plan of TRIANGLES of the BASSIM CIRCAR. Completed under the superintendence of Major H. Morland in the year 1846. *Scale.* 4 *miles to* 1 *inch ; size,* 22 *inches by* 28. MS.

BEDER. Plan of TRIANGLES in the BEDER CIRCAR. Executed in 1832, under the superintendence of Lieut. S. C. Macpherson. *Scale,* 4 *miles to* 1 *inch ; size,* 17 *inches by* 24. MS.

BEDER. Preliminary Chart of the BEDER LONGITUDINAL SERIES. Seasons 1868–69. *Scale,* 4 *miles to* 1 *inch ; size,* 28 *inches by* 40. Photozincograph.

BHONAGHEER, part of. Plan of TRIANGLES on which depends the Survey of 1827 and 1828. *Scale,* 4 *miles to* 1 *inch ; size,* 21 *inches by* 34. MS.

BHEER and DAROOR. Plan of SECONDARY TRIANGLES extending over the DARROOR and BHEER CIRCARS. Executed in 1836. *Scale,* 4 *miles to* 1 *inch ; size,* 23 *inches by* 27. MS.

*** *See also* Purrainda and Bheer.

DOWLUTABAD. Plan of TRIANGLES of the Dowlutabad Circar. Executed under the superintendence of Major H. Morland, in the year 1847. *Scale,* 4 *miles to* 1 *inch ; size,* 21 *inches by* 24. MS.

EILGUNDEL and MULLANGOOR. Sketch of PRINCIPAL and SECONDARY TRIANGLES extending over Eilgundel and Mullangoor Circars. Surveyed in the year 1834. *Scale,* 4 *miles to* 1 *inch ; size,* 25 *inches by* 27. MS.

JAULNAH and PYTON. Plan of TRIANGLES executed under the superintendence of Captain H. Morland in the years 1842 and 1843. *Scale,* 4 *miles to* 1 *inch ; size,* 23 *inches by* 33. MS.

KOWLASS. Plan of TRIANGLES in the Kowlass Circar. Executed in 1832 under the superintendence of Lieut. S. C. Macpherson. *Scale,* 4 *miles to* 1 *inch ; size,* 18 *inches by* 22. MS.

KULBURGAH, KULLIANNEE, and NULDROOG. Plan of the TRIANGLES extending over the Circars of Kulliannee, Nuldroog, and Kulburgah, by Sub-assistant Surveyors A. Chamarett and R. Long. *Scale,* 4 *miles to* 1 *inch ; size,* 22 *inches by* 29. MS.

KUMMUMMETT. Plan of SECONDARY TRIANGLES extending over a portion of the Kummummett Circar. Executed in the year 1837. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 26. MS.

MAIKER. Plan of TRIANGLES of the Maiker Circar. Executed in the years 1843 and 1844. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 28. MS.

MEDDUCK. Plan of Trigonometrical points by which the Medduck Circar Survey was executed under the superintendence of Lieut. H. Morland, in 1829 and 1830. *Scale,* 4 *miles to* 1 *inch; size,* 18 *inches by* 24. MS.

MULLANGOOR. *See* EILGUNDEL.

NANDAIR. Plan of TRIANGLES of the Nandair Circar. North of the Godavery River. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 39. MS.

Plan of TRIANGLES of the NANDAIR CIRCAR. South of the Godavery River. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 38. MS.

NULDROOG. *See* KULBURGAH.

PATREE. Plan of TRIANGLES of the Patree Circar. Executed under the superintendence of Captain H. Morland, in 1841 and 1842. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 29. MS.

PURRAINDA and BHEER. Plan of SECONDARY TRIANGLES extending over the Purrainda and Bheer Circars. Surveyed A.D. 1835. *Scale,* 4 *miles to* 1 *inch; size,* 35 *inches by* 23. MS.

*** *See also* Bheer and Daroor.

PYTON. *See* JAULNAH.

WARUNGUL CIRCAR. Plan of TRIANGLES executed in the years 1830 and 1831 by Lieut. H. Morland. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 29 inches. MS.

Eighth Division.

Primary and Secondary Triangulation, South-west Division.

Indus Delta, Cutch, Kattywar, &c.

Preliminary Chart of the ABOO MERIDIONAL SERIES, Great Trigonometrical Survey of India. *Scale,* 4 *miles to* 1 *inch; on* 8 *sheets; size of each,* 42 *inches by* 27. MS.

*** This is actually a Chart of Primary and Secondary Triangulation in Kattywar and Cutch, with part of Sind on the west, and part of Guzerat on the east. The Primary Triangulation includes the Guzerat Longitudinal and the Kattywar Longitudinal Series; also the Nawanaggar Meridional, the Kattywar Meridional, and the Abu Meridional; together with Secondary Series around the coasts, &c. The outlines of the coast and part of the Indus Delta, also the lower course of the Sabarmati river, are delineated.

Bombay Presidency.

Preliminary Charts of TRIANGULATION in the NORTHERN PORTIONS of the BOMBAY PRESIDENCY. *Scale,* 4 *miles to* 1 *inch; size,* 33 *inches by* 25. Photozincographs.

No. 1. Season 1857–58. Western part of Guzerat Longitudinal. Tatta on the Indus.
No. 2. Seasons 1856–57 and 1857–58. Western part of Guzerat Longitudinal. Lukput in Cutch.
No. 3. Seasons 1853–54, 1855–56, and 1856–57. Eastern Cutch.
No. 4. Seasons 1850–51, 1851–52, and 1861–62. Aboo Meridional and Oodypoor Meridional.
No. 5. Seasons 1854–57, 1858–59, and 1859–60. Cutch and North Kattywar Secondary Triangulation.
No. 6. Seasons 1852–57, 1859–61, and 1863–64, with letter-press on 12 pages, folio. Kattywar.
No. 7. Seasons 1851–54 and 1860–63, with letter-press on 7 pages folio. Guzerat Longitudinal.
No. 8. Seasons 1853–55 and 1858–59.
No. 9. Seasons 1852–55, 1859–61, and 1863–64.
No. 10. Seasons 1860–61 and 1862–63. Singi Meridional and Aboo Meridional.

Index to the Charts of NORTHERN PORTION of the BOMBAY PRESIDENCY. *Scale,* 32 *miles to* 1 *inch; size,* 14 *inches by* 21.

Preliminary Chart of the OODYPOOR and SINGI MERIDIONAL, and GUZERAT and MALWA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. Seasons 1860–61 and 1861–62. *Scale,* 4 *miles to* 1 *inch; size,* 69 *inches by* 47. MS.

Preliminary Chart of the GUZERAT COAST, MINOR SERIES, Great Trigonometrical Survey of India. Season 1862–63. *Scale,* 4 *miles to* 1 *inch; size,* 40 *inches by* 27. MS.

Plan of the TRIANGULATION of the BOMBAY TRIGONOMETRICAL SURVEY from its commencement up to June 1834. *Scale,* 8 *miles to* 1 *inch; size,* 34 *inches by* 29. MS.

Sketch of the TRIANGULATION of the BOMBAY LONGITUDINAL SERIES, Great Trigonometrical Survey of India, carried on during the season 1837–38. *Scale,* 8 *miles to* 1 *inch; size,* 17 *inches by* 22. MS.

Chart of PRINCIPAL and SECONDARY TRIANGLES in the BOMBAY LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale,* 8 *miles to* 1 *inch; size,* 15 *inches by* 29½. MS.

⁂ Bombay to Nitali; distinguishing the portion completed in 1837–38, and the proposed extension from Dighi-Waphgaon to Bombay.

Plan of the TRIANGULATION of the BOMBAY LONGITUDINAL SERIES, carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, chiefly by Lieut. W. S. Jacob, 1st Assistant, Great Trigonometrical Survey, in the years 1822 to 1842. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 86. MS.

⁂ Including Bombay Harbour.

Preliminary Chart of BOMBAY ISLAND SURVEY. Season 1865–66. *Scale,* 2 *inches to* 1 *mile; size,* 40 *inches by* 27. With letter-press, 5 pages, 4to.

Preliminary Chart of portions of the BOMBAY LONGITUDINAL and MANGALORE MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1862–63 and 1864–65. *Scale,* 4 *miles to* 1 *inch; size,* 43 *inches by* 64. MS. *The same zincographed in* 3 *sheets; size,* 36 *inches by* 64.

Preliminary Chart of the MANGALORE MERIDIONAL SERIES. Seasons 1865–66 and 1866–67. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets: size,* 57 *inches by* 42. Photozincograph.

Preliminary Chart of the MANGALORE MERIDIONAL and MADRAS LONGITUDINAL SERIES. Seasons 1871–73. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 56 *inches by* 42. Photozincograph.

Plan of the PRINCIPAL and SECONDARY TRIANGLES of the NORTHERN and SOUTHERN KONKAN SERIES of the Great Trigonometrical Survey of India, carried on in the seasons 1842–43 and 1843–44. *Scale,* 8 *miles to* 1 *inch; size,* 58 *inches by* 21. MS.

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Plan of the TRIANGULATION of the KONKAN MERIDIONAL SERIES, Southern section, commenced under the superintendence of Lieut.-Colonel G. Everest, late Surveyor General of India; and completed under the superintendence of his successor Captain A. S. Waugh, by Captain W. S. Jacob, late 1st Assistant, Great Trigonometrical Survey, and Lieut. Harry Rivers, 1st Assistant, Great Trigonometrical Survey. 1822 to 1844. *Scale,* 4 *miles to* 1 *inch; size,* 75 *inches by* 29. MS.

Preliminary Chart of the SOUTHERN KONKAN MERIDIONAL SERIES. Seasons 1842–44 and 1864–66. *Scale,* 4 *miles to* 1 *inch; on* 3 *sheets; size,* 42 *inches by* 84. Photozincographs, 1871.

Madras Presidency, Western Part.

Map of a series of TRIANGLES forming the basis of the SURVEY of South COIMBATORE. Executed in 1821, '22, and '23. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 29. MS.

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Preliminary Chart of the MALABAR MINOR SERIES. Season 1873–74. *Scale,* 4 *miles to* 1 *inch; size,* 40 *inches by* 27. With letter-press, 3 pages, 4to.

Plan showing some of the PRINCIPAL and SECONDARY STATIONS in the WYNAAD TALUQ. *Scale,* 2 *miles to* 1 *inch; size,* 19 *inches by* 22. MS.

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PRINTED REPORTS.

General Report on the TOPOGRAPHICAL SURVEY of the BENGAL PRESIDENCY, seasons 1860–61, 1861–62, No. 24A, dated Calcutta, 15th April 1863. Including surveys of Gwalior and Central India, Hyderabad, Ganjam, and Orissa, and Chota Nagpore Division. Folio, on pages 1 to 47, with title and letter from Lieut.-Colonel H. L. Thuillier on two pages, and two Appendices on pages i to xiii. Calcutta, 1863.

General Report on the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, for season 1862–63, by Lieut.-Colonel H. L. Thuillier, with title and covering letter on two pages, and map. Folio, on pages 1 to 43. Calcutta, 1864.

General Report on the TOPOGRAPHICAL and REVENUE SURVEY OPERATIONS of the BENGAL PRESIDENCY, for season 1863–64. By Lieut.-Colonel H. L. Thuillier, Surveyor-General of India. Folio, on pages 1 to 64, with title and covering letter on two pages, Appendix on pages 1 to 31, containing Extracts from Narrative and Annual Reports. With it—

General Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, for season 1863–64, on pages i to lv. Index map to the districts and divisions of India. Calcutta, 1865.

The General Report of the TOPOGRAPHICAL SURVEY for 1864–65 is incorporated with the Report of the Great Trigonometrical Survey for that period. *See* page 29.

The General Report of the TOPOGRAPHICAL SURVEY for 1865–66 is printed with the Report of the Great Trigonometrical Survey for that period. *See* page 29.

General Report on the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, for season 1866–67, by Colonel H. L. Thuillier, R.A., F.R.G.S., Surveyor-General of India. Folio, on pages 1 to 41, with title and Appendix on pages i to xli, and three index maps—to the Gwalior and Central India Survey; the Chota Nagpore Survey; and the Rewah Survey.

General Report of the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, and of the Surveyor-General's offices, for season 1867-68. Folio, on pages 1 to 13 and 1 to 6. With a Report by Captain A. B. Melville, on the photographic and lithographic branches, on pages 1 to 13, and an Appendix on pages i to l, including Extracts from Narrative Reports, and a Report on the Pegu Survey. Calcutta, 1869.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1868–69, by Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Folio, on pages 1 to 62, with Index map of India, showing Topographical and Revenue Survey Operations to 1869. Calcutta, 1870.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1869–70. By Colonel H. L. Thuillier, R.A., F.R.S., etc., Surveyor-General of India. Folio, on pages 1 to 25, with title, contents, and covering letter on four pages; Appendix containing remarks by executive officers on pages i to xxxi, and seven Index maps. Calcutta, 1871.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1870–71. By Colonel H. L. Thuillier, R.A., F.R.S., etc., Surveyor-General of India. Folio, on pages 1 to 24, with map, and appendices on pages i to xxxii. Calcutta, 1872.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, for season 1871–72. By Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Submitted to the Government of India, Department of Agriculture, Revenue, and Commerce. Folio on pages 1 to 25, and appendix on pages i. to liii. Calcutta, 1873.

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*** The Records are issued in the months of February, May, August, and November; and they are sent from Calcutta to subscribers in the United Kingdom by post on prepayment of *5s.* per annum, which includes postage. Subscriptions are received by the Superintendent of the Geological Survey of India, Hastings Street, Calcutta.

4. PALÆONTOLOGIA.

PALÆONTOLOGIA INDICA, being figures and descriptions of the Organic Remains procured during the progress of the Geological Survey of India. Published by order of His Excellency the Governor General in Council, under the direction of Thomas Oldham, LL.D., &c., &c., Superintendent of the Geological Survey of India. Roy. 4to.

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CATALOGUE of the ORGANIC REMAINS belonging to the CEPHALOPODA in the Museum of the Geological Survey of India, Calcutta. 1866. 60 pages, 8vo.

CATALOGUE of the METEORITES in the Museum of the Geological Survey of India, Calcutta. 1867.

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6. A LIST of the GEOLOGICAL MAPS in the MEMOIRS of the GEOLOGICAL SURVEY OF INDIA.

Vol. I., Plate 2.

1. Map of the Coal field near Talchur in the Tributary Mehals Cuttack, with portions of adjoining districts. *Scale*, 4 *miles to* 1 *inch ; size*, 22 *inches by* 38.

Plate 7.

2. Geological Map of part of the Khasi (Cossyah) Hills and adjoining districts, Eastern Bengal. *Scale*, 4 *miles to* 1 *inch ; size*, 18 *inches by* 24.

Plate 9.

3. Plan of the Plateau of Lakadong, Jynteah Hills. *Scale*, 1 *inch to a mile ; size*, 10 *inches by* 6.

Plate 10.

4. Geological Map of the Neelgherry Hills, Southern India. *Scale*, 4 *miles to* 1 *inch ; size*, 10 *inches by* 13.

Plate 13.

5. Geological Map of the districts of Bancoorah, Midnapoor, and Orissa, Bengal. *Scale*, 8 *miles to* 1 *inch ; size*, 38 *inches by* 29.

Vol. II., Plate 1.

6. Geological Map of a portion of Bundelcund, showing the northern scarp of the Vyndhyan table land between the Jumna near Allahabad and the Betwa at its exit from the Hills. Compiled from sheets 69, 70, 88, and 89 of the Indian Atlas. *Scale*, 4 *miles to* 1 *inch ; size*, 27 *inches by* 48.

Plate 2.

7. Geological Map of a portion of Central India, Sauger, and Nerbudda territories. *Scale*, 4 *miles to* 1 *inch ; on two sheets ; size*, 34 *inches by* 64.

Plate 3.

8. Outline Geological Map of part of Central India from near Allahabad on the east, to near Mundlaisin on the west. *Scale*, 12 *miles to* 1 *inch ; size*, 24 *inches by* 29.

Vol. III.

9. Map of the Damuda (Raniganj) Coal field, Bengal. *Scale*, 1 *mile to an inch ; size*, 27 *inches by* 41.
10. Geological Map of the sub-Himalayan Country between the Rivers Ganges and Ravee. Geologically examined and mapped by Henry B. Medlicott, A.B., F.G.S., Geological Survey of India. *Scale*, 8 *miles to* 1 *inch ; size*, 27 *inches by* 23.

Vol. IV.

11. Map of part of the district of Trichinopoly. The topography is copied, with some corrections, from a Map founded on the survey by Captain Ward in 1834. The geology by Henry F. Blandford in 1857. *Scale*, 2 *miles to* 1 *inch ; size*, 26 *inches by* 24.

Plate 5.

12. Map showing the position of the Iron Beds on Kunjamullay Hill, near Salem. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 6.
13. Outline Sketch (geological) of Assam. *Scale*, 80 *miles to* 1 *inch; size*, 10 *inches by* 6.

Vol. V.

14. Geological map of the Island of Bombay. By A. B. Wynne, F.G.S., Assistant Geological Survey, 1864. *Scale*, 1½ *inch to* 1 *mile; size*, 18 *inches by* 11.
15. Jherria Coal field. Geologically mapped by T. W. H. Hughes, Assoc. Royal School of Mines, Geological Survey of India. *Scale*, 1 *mile to* 1 *inch; size*, 18 *inches by* 28.

Vol. VI.

16. Map of a portion of Sind near Kobree. *Scale*, 16 *miles to* 1 *inch; size*, 10 *inches by* 6.
17. Geological Map of part of Cutch, north of Mandavee, by Mr. W. Blandford. No title. *Scale*, 12 *miles to* 1 *inch; size*, 10 *inches by* 6.
18. Geological Map of the Bokaro aud Ramgurh Coal fields. *Scale*, 4 *miles to* 1 *inch; size*, 7 *inches by* 14.
19. Geological Map of the Lower Nerbudda and Taptee Valleys and adjoining districts. *Scale*, 32 *miles to* 1 *inch; size*, 8 *inches by* 13.
20. Geological Map of part of the Nerbudda Valley. *Scale*, 8 *miles to* 1 *inch; size*, 7 *inches by* 11.
21. Geological Map of western part of the Nerbudda Valley. *Scale*, 8 *miles to* 1 *inch; size*, 10 *inches by* 17.

Vol. VII.

22. Geological Map of the area north of the Sone and Nerbudda Rivers, occupied by the Vindhyan Series and adjacent formations. *Scale*, 32 *miles to* 1 *inch; size*, 15 *inches by* 20.
23. Geological Map of part of the Khasia (Cossyah) Hills. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 6.
24. Map of the Kurhurbali Coal field. *Scale*, 1 *inch to* 1 *mile; size*, 10 *inches by* 8.
25. The Deogurh Coal fields, District Beerbhoom, Bengal. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 6.
26. Aden, reduced from a plan published at Bombay, 1864. *Scale*, 1,600 *yards to* 1 *inch; size*, 7 *inches by* 5.
27. Portion of the country North of Aden, taken from compass survey illustrating march of Aden Field Force, 1865–66.
28. The Karanpura Coal Fields. *Scale*, 4 *miles to* 1 *inch; size*, 8 *inches by* 12.

Vol. VIII.

29. Geological Map of portion of the Madras Presidency, including the Kurnool and Cuddapah Districts, 1871. *Scale*, 16 *miles to* 1 *inch; size*, 20 *inches by* 13. With separate sections.
30. Itkuri Coal Field. *Scale*, 4 *miles to* 1 *inch, with the coal-measures enlarged to* 1 *mile to* 1 *inch.*
31. Daltonganj Coal field. *Scale*, 4 *miles to* 1 *inch; size*, 15 *inches by* 6.
32. Part of Daltonganj Coal fields. *Scale*, 1 *mile to* 1 *inch; size*, 11 *inches by* 12.
33. Chope Coal field. *Scale*, 1 *mile to* 1 *inch; size*, 8 *inches by* 6.

Vol. IX.

34. Geological Map of Kutch. The topography compiled from older maps or plotted from bearings on the Trigonometrical Survey points. The Geology added by A. B. Wynne, F.G.S. Officiating Deputy Superintendent, and F. Fedden, F.G.S., Assistant Geological Survey of India, 1868–69. *Scale*, 4 *miles to* 1 *inch; on* 3 *sheets; size*, 36 *inches by* 54.

35. Geological map of the vicinity of Nagpur. *Scale*, 4 *miles to* 1 *inch*. Topography from Revenue Survey, Geology by W. T. Blanford, Deputy Superintendent Geological Survey of India. *Size*, 9 *inches by* 11.
36. Geology of Sirban Hill near Abbottabad. *Scale*, 1 *mile to* 1 *inch; size*, 9 *inches by* 9.

Vol. X.

37. Section between Najery nose and the Sea near Palaveram. *Horizontal scale*, 1 *inch to* 1 *mile*.
38. Skeleton map of the Satpura Coal Basin. *Scale*, 12 *miles to* 1 *inch; with sections; size*, 9 *inches by* 10.
39. Geological Map of Pegu.

Vol. XI.

40. Geological map of the Darjeeling Hill Territory. *Scale*, 4 *miles to* 1 *inch; with a section; size*, 11 *inches by* 21.
41. Geological map of the Trans-Indus Salt Region.

A List of the GEOLOGICAL MAPS in the RECORDS of the Geological Survey of India, beginning with—

Vol. III., Part 3.

26. Mohpani and neighbourhood. *Scale*, 4 *miles to* 1 *inch;* also Mohpani Coal field. *Scale*, 1 *mile to* 1 *inch; size*, 10 *inches by* 6.

Vol. III., Part 4.

27. Singhbarm Copper Mines. No title. *Scale*, 8 *inches to* 1 *mile; size*, 6 *inches by* 10.
28. Sketch Map of Mount Tilla (Salt Range). *Scale*, 4 *miles to* 1 *inch; size*, 6 *inches by* 10.

Vol. IV., Part 3.

29. Mohpani Coal, beds near Lokartalai, Narbada basin. *Size*, 6 *inches by* 10.

Vol. V., Part 2.

30. Geological map of Singareny Coal field, Nizam's Dominions. *Size*, 10 *inches by* 6.

Vol. V., Part 4.

31. Map of neighbourhood of Jabalpur. *Scale*, 1 *mile to* 1 *inch; with a section; size*, 10 *inches by* 6.

Vol. VI., Part 2.

32. Map of the Bisrampur Coal field, District Sirguja. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 6.

Vol. VI., Part 3.

33. Map of the Brine Springs of Pegu. *Scale*, 8 *miles to* 1 *inch; size*, 18 *inches by* 10.

Vol. VI., Part 4.

34. O'Riley's Sketch Map of the Yoonzaleen District, showing mineral sites. *Scale*, 12 *miles to* 1 *inch; size*, 6 *inches by* 10.
35. Sketch Map of the ground near Mari to the northward. *Scale*, 1 *mile to* 1 *inch; size*, 6 *inches by* 10.

Vol. VII., Part 3.

36. Skeleton Map of the Kangra Valley, showing the ancient glaciers of the Dhaoladhar. *Scale, 4 miles to 1 inch; size, 15 inches by 20.*

Vol. VII., Part 4.

37. Geological Map of the Dambal Hills (Gold in Dharwar). *Scale, 4 miles to 1 inch; size, 6 inches by 10.*

Vol. VIII.

38. Outline Geological map of the Shapur (Betul) Coal field. *Scale, 1 mile to 1 inch; size, 15 inches by 22.*
39. Index map of the Raigarh and Hingir Coal field. *Scale, 8 miles to 1 inch; size, 9 inches by 10.*

GEOLOGICAL SURVEY of INDIA. Vertical Section of the Coal Measures in the Damoodah Valley. 1847. *Scale, 40 feet to 1 inch; size, 40 inches by 27.*

No. 1. Section across the KYMORE MOUNTAINS from the SONE RIVER on the south, to the GANGETIC PLAINS on the north. 1848. *Scale, 6 inches to 1 mile; size, 40 inches by 27.*

No. 1. Section of the DAMOODAH COAL FIELD commencing from MEDJIAH on the south, to KASHTOR on the north of the ADJI. 1847. No. 2. Section from the west of PERRAPORE on the south, to SEERSOLE on the north. *Scale, 6 inches to 1 mile; size, 40 inches by 27.*

The INDIAN ATLAS, coloured geologically, by the Geological Survey of India. *Scale, 4 miles to 1 inch.*

77. *S.W. Quarter sheet.* Rachootee, Cuddapah District.
78. *N.E. Quarter sheet.* Madras.
78. *S.E. Quarter sheet.* Chingleput.
79. *N.E. Quarter sheet.* Pondicherry.
79. *S.E. Quarter sheet.* Tranquebar.
79. *N.W. Quarter sheet.* Salem.
79. *S.W. Quarter sheet.* Trichinopoly.

VI.

THE SCHLAGINTWEIT MISSION.

RESULTS of a SCIENTIFIC MISSION to INDIA and HIGH ASIA, undertaken between the years MDCCCLIV and MDCCCLVIII, by order of the Court of Directors of the Honourable East India Company. By Hermann, Adolphe, and Robert de Schlagintweit. With an Atlas of Panoramas, Views, and Maps. Leipzig and London, 1861. The text, Vols. 1, 2, 3, 4, imperial 4to; the Atlas, double royal, 37 inches by 24.

The Text, Vol. I.

ASTRONOMICAL DETERMINATIONS of LATITUDES and LONGITUDES and MAGNETIC OBSERVATIONS. Preceded by General Introductory Reports. With three plates.

Vol. II.

GENERAL HYPSOMETRY of INDIA, the HIMALAYA, and WESTERN TIBET, with sections across the chains of the Karakorum and Kuenluen, comprising, in addition to Messrs. Schlagintweit's determinations, the data collected from books, maps, and private communications. Edited by Robert de Schlagintweit. With three plates.

Vol. III.

ROUTE-BOOK of the WESTERN PARTS of the HIMALAYA, TIBET, and CENTRAL ASIA; and Geographical Glossary from the languages of India and Tibet, including the phonetic transcription and interpretation. By Hermann, Adolphe, and Robert de Schlaginweit.

Vol. IV.

METEOROLOGY of INDIA, an analysis of the Physical conditions of India, the Himalaya, Western Tibet, and Turkistan, with numerous tables, diagrams, and maps. Based upon observations made by Messrs. de Schlagintweit *en route*, and collected from various stations erected during their magnetic survey, and increased by numerous additions chiefly obtained from the officers of the Medical Department. By Hermann de Schlagintweit-Sakunlunski.

First Part.—Distribution of the Temperature of the Air, nd Isothermal lines, with considerations of Climate and Sanitary conditions

The Atlas.

Part I.

Title. Dedication.

Panoramas and Views:—

1. Gaurisankar or Mount Everest, Himalaya Mountains.
2. Summit of Kanchinjinga, Himalaya Mountains.
3. The Satlej Valley and Rampur.
4. Lake Tso Mitbal in Pangkong; Lake Tso Gam in Eastern Ladak.
5. Cane Suspension Bridge over the Temshang River in the Khassia Hills.
6. The Drift Sands of the Sindh Sager Duab; Alluvial High Ground of the Sindh Sager Duab.
7. Peaks and Glaciers of the Sasser Pass in Nubra, Tibet.
8. Kunda Range in the Nilgiris, Southern India.
9. Leh, the capital of Ladak, Western Tibet.
10. Chorkonda glacier, Balti, Tibet.

Maps:—

1. The routes taken by Hermann, Adolphe, and Robert de Schlagintweit and their assistants and establishments in India and High Asia, from 1854 to 1858.

Magnetic Survey of India and High Asia, 1854–57.

1. Isogonic Lines (Lines of Equal Declination), with sketches for the historical data of Secular Change in 1600, 1700, 1800; Isogonic Lines for the Indian Archipelago, by Captain C. M. Elliot, 1845–49; and for the surface of the Earth from General Sabine's map, revised by Capt. Evans, R.N., 1858.
2. Isoclinal Lines (Lines of Equal Dip), with sketch maps for Secular Change, the Indian Archipelago, and the surface of the Earth.
3. Isodynamic Lines (or Lines of Equal Total Intensity), with sketch maps for Horizontal Intensity in India, &c.; for Total and Horizontal Intensity in the Indian Archipelago; and for Relative Total Intensity for the Surface of the Earth.

PART II.

Panoramas and Views continued:—

11. Fort and Lines of Udelguri in the Province of Darrang, Assam. Village of Mangeldai in Assam.
12. Interior of the Buddhist temple of the monastery Mangnang in Gnari Khorsum.
13. Salt Lake Kiuk Kiol in the Karakash Valley, Turkistan.
14. Flats of the Hiron Valley from the Barer (Berar) plateau near Kattingi.
15. Palm Grove and Singhalese habitations near Galle, Ceylon.

Panoramic Profiles of the Snowy Ranges of High Asia, with plans of the geographical positions and hypsometrical diagrams. (See Text, Vol. II.):—

I. The Himalaya of Bhutan, Sikkim, and Nepal.
II. The Himalaya of Kamaon and Garhval.
III. The western chains of the Himalaya from Simla to Kashmir.
IV. The northern slopes of the Himalaya and the Trans-Satlej range.
V. The ranges of Western Tibet, between the Himalaya and Karakorum.
VI. Parts of the central chain in Tibet from Pangkong to Ladak.
VII. The Karakorum with the plateaux in Turkistan and the Kuenluen.

PART III.

Panoramas and Views continued:—

16. Buddhist monastery Himis near Leh, Ladak.
17. Valley of the Yarkand River, downwards from Dera Bullu in Turkistan.
18. Panorama of the lake and gardens near Srinagar, Kashmir, in two parts; 1, Shalimar gardens, &c.; 2., Fort of Srinagar, &c.
19. The summit of Parasnath in Bahar.
20. Central Assam and the Brahmaputra jungles from Ogri Hill near Tezpur.

Maps:—

2. Index map to the routes in the western parts of the Himalaya, Tibet, and Central Asia.

3, 4. Fac-simile of a Bhutia map of the commercial route from Lhassa to Assam, viâ Tavang and Narigan.

Map of equidistant horizontal contour lines determined in the southern part of the Sikkim Himalaya.

PART IV.

Panoramas and Views continued:—

21. Alluvial deposits in the Brahmaputra above Rakusni Hill, Assam.
22. The Jhils of Bengal, at high water.
23. The Jhilum or Behut, in the Panjab.
24. The Bias between Amritsar and Jalander, Panjab.
25. The Mahanadi River, in the rainy season, Central Bengal.
26. The Ganges near Patna, Western Bengal.
27. The Salt Lake Tsomoriri, Western Tibet.
28. The Salt Lake Tsomognalari, Western Tibet.
29. The Chain of Kuenluen, from Sumgal in Turkistan.

Meteorological Maps and Tables; I. Temperature of the Air.

1. Numerical table of the Mean (monthly) Temperatures for (various places in) India and the Archipelago.
2. The Isothermal Lines of the year for India, &c.
3. The Isothermal Lines of the Seasons.

4. Stations and Isothermal profiles of High Asia. General variation of Temperature, and Chart of the tropical Sanitaria in Southern India.

Note.—In the Introductory Report addressed to Sir Charles Wood, Bart., Secretary of State for India (see vol. I. pages 7, 8), it was announced that the Text would form nine volumes, and that the Atlas would contain 80 views and panoramas, and from 20 to 30 maps and profiles. The following are the subjects of the volumes that remain in abeyance, as they are specified in the Report, viz:—

Vol. V. Meteorology and Climate, Part 2.
Vol. VI. Geology.
Vol. VII. Botany and Zoology, particularly with reference to geographical distribution.
Vol. VIII. Ethnography, comparative researches based on measurements, casts, and photographs.
Vol. IX. Geographical aspects of India, the Himalaya, Tibet and Turkistan.

BUDDHISM in TIBET, illustrated by literary documents and objects of religious worship, with an account of the Buddhist systems preceding it in India. By Emil Schlagintweit, LL.D. With a folio atlas of 20 plates, and 20 tables of native print in the text. Leipzig and London, 1863. Thirteen plates in the Atlas are representations of deities, and the remainder are invocations, magical figures, and divination tablets.

VII.

THE ARCHÆOLOGICAL SURVEY OF INDIA.

Bengal Presidency.

Four Reports, made during the years 1862–63–64–65, by Alexander Cunningham, C.S.I., Major-General, Royal Engineers (Bengal retired); Director-General of the Archæological Survey of India; etc.

Vol. 1.

Simla, 1871. Octavo, cloth.

Contents.—Preface. Introduction.

Report of 1861–62.—Gaya. Buddha-Gaya. Bakror. Punawa. Kurkihar or Kukkutapada-giri. Giryek or Indra-sila-guha. Rajgir or Rajagriha. Buragaon or Nalanda. Bihar. Ghoswara. Titarawa. Aphsar. Barabar. Dharawat. Besarh or Vaisali. Kesariya. Lauriya Ara-Naj. Lauriya Navandgarh. Padaraona or Pawa. Kasia or Kusinagara. Khukhundo or Kishkindapara. Kahaon or Kakubharnti. Hathiya-dah. Bhitari. Banaras Sarnath.

Report of 1862–63.—Delhi. Mathura. Khalsi. Madawa or Madipur. Kashipur or Govisana. Ramnagar or Ahichhatra. Soron or Sarakshetra. Atranjikhera or Pilosana. Sankisa or Sangkasya. Kanoj or Kanyakubja. Kakupur or Ayuto. Daundiakhera or Hayamukha. Allahabad or Prayaga. Kosam or Kosambi. Sultanpur or Kusapura. Dhopapapura. Ajudhya or Saketa. Hatila or Asokpur. Sahet-Mahet or Sravasti. Tanda. Nimsar. Barikhar. Dewal. Parasua-Kot. Bilai-Khera. Kabar.

Vol. 2.

Report of 1863–64. Simla, 1871. Octavo, cloth.

Contents.—Ethnology. Takas; Megs or Mekei; other tribes. Aryas—Janjuhas and Awans; Bhatis: Later Turanians—Gakars; Kathi and Balas; Sobii. Indo-Scythians—Su or Sagaraukæ; Medi or Meds; Zanthii, Jattii, or Jats; Yuchi or Tochari; Little Yuchi or Kator; Ephthalites or White Huns.

ANTIQUITIES.—Peshawar or Parushawara; Pushkalavati or Peukelaotis; Palodheri or Varusha; Ohind or Utakhanda; Lahor or Salatura; Aornos; Taxila or Takshasila; Hasan Abdul; Baoti Pind; Balar; Badarpur; Jaoli; Tarnawa; Kurmal; Rawalpindi or Gajipur; Manikyala; Sakhrabasti; Delawar or Bukephala; Mong or Nikæa; Katas or Kalaksha; Sangalawala Tiba, or Sangala; Asarur or Taki; Ran-si or Nara-sinha; Amba-Kapi; Sarhinda; Thanesar or Sthaneswara; Amin; Pehoa or Prithudaka; Sugh or Srughna; Haridwar or Gangadwara; Moradhwaj; Chaturbhuj.

Report of 1864–65.—Bhairat or Vairata; Amber; Dhundar or Jaypur; Ajmer or Ajayamera; Chandravati or Jhalra-Patan; Dhamnar; Kholvi; Sarangpur; Mhau Maidan; Jharkon or Bajrang-ghar; Mayana or Mayapura; Kulharas; Ranod or Narod; Nalapura or Narwar; Himatgarh; Gwaliar or Gwalior; Nurabad; Kutwar or Kumantalpuri; Suhaniya; Buri Chanderi; Chanderi; Khajuraho or Khajuraya; Mahoba or Mahotsava-Nagara.

VOL. 3.

Report for the year 1871–72. Calcutta, 1873. Octavo, cloth.

Contents.—Introduction. Various styles of Hindu and Muhammadan Architecture. Mathura. Bitha. Garhwa. Latiya. Akhandha. Baghsar or Buxar. Mahasara or Masar. Aramnagar or Ara. Buddha Gaya. Pragbodhi or Mora Mountain. Gaya. Yashtivana or Jethian. Old Rajagriha or Kusagarapura Indrasila-guha or Giryek. Kapotika Monastery. Rajaona or Rajjhana. Kiyul and Birdaban. Jaynagar. Nongarh. Indappe. Postscript.

VOL. 4.

Report for the year 1871–72. Calcutta, 1874. Octavo, cloth.

Delhi by J. D. Beglar, Assist. A.S.I. Agra by A. C. L. Carlleyle, Assist. A.S.I.

VOL. 5.

Report for the year 1872–73. Calcutta, 1875. Octavo, cloth.

Introduction. Yusufzai district. Shahbaz-garhi. Takht-i-Bahi. Sahri-Bahlol. Jamal-garhi. Karkai. Sawal-dher. Nogram. Inscriptions from Yusufzai. Khairabad. Shah-deri or Taxila. Manikyala. Antiquities of the Salt Range. Mallot. Ketas. Kutanwala-pind. Maira. Plains of the Punjab. Jobnathnagar. Shorkot. Bavanni. Harapa. Depalpur. Tulamba. Multan. Tusham. Hisar Pillar. Delhi Pillars. Jalandhara. Pathankot. Kot-Kangra. Jwala-Mukhi. Kanhiara. Chari. Kiragrama. Asapuri. Appendix A. Ancient Indian Architecture. Indo-Persian and Indo-Græcian Styles. B. List of sculptures from Jamal-garhi, Sahri-Balol, Kharkai, and Takht-i-Bahi.

Bombay Presidency.

ARCHÆOLOGICAL SURVEY of WESTERN INDIA. Report of the first season's operations in the Belgam* and Kaladgi Districts. January to May 1874. By James Burgess, Esq., M.R.A.S., F.R.G.S., &c. London, 1874. Quarto, half-bound.

Contents:—Letter and Report. Belgam Jaina temples and Persian Inscriptions. Konur, temple and dolmens, Kadaroli, Sampganw and Bail-hangal, Saundati and Yellama, Huli, Sinde Manauli. Badami, Caves and Inscriptions, Banasankari and Alai Jirtha, Pattadkal, Aiwalli caves and temples. Snake worship. List of photographs taken. Fifty-six plates and six woodcuts.

Archæological Survey of Western India. Report on the Antiquities of Kathiawad* and Kachh*; being the result of the second season's operations of the Archæological Survey of Western India, 1874–75. By James Burgess, F.R.G.S., M.R.A.S., &c. London, 1876. Quarto, half-bound.

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* To be spelt Belgaum, Kattywar, and Cutch, by order of Government, 6 Sept. 1875.

Contents :—I. Ahmadabad,* history and inscriptions. II. Kathiawad,* geography, classical geography, early history. III. Sah and Gupta Coins, &c., by E. Thomas, Esq., F.R.S., &c.—*a.* Inscriptions of the Guptas, Dynastic list, Copper-plate grants. *b.* Written History of the Guptas. *c.* Local traditions concerning the Guptas. *d.* Coins of the Guptas; Indo-Skythian inscriptions; Gupta gold coins, eastern series; the Sah kings of Surashtra, their inscriptions, their dynastic list, their coins; spread and survival of Greek in India (the five Greek kings in alliance with Asoka); coins of the Saka king Heraüs, discriminated from those of Moas; Parthian influences amid the bordering provinces of India; Indo-Parthian coins, the alphabets employed by the Parthians; Sah coins (resumed); Gupta *Surashtran* coin series; Gupta *peacock-device* coin series; Toramana's coins; Bahttaraka sub-Surashtran coins; Naga coins associated with the Gupta mintages, (Naga dynastic list); résumé of Gupta dates; the Arabs in Sindh,* their dynastic list, their coins. IV. The Valabhi dynasty, Hiwan Thsang in Kathiawad,* &c. V. Than, its legendary and mediæval history, snake-worship, &c. VI. The Asoka inscription at Junagadh* 14 tablets, the signature. VII. The Sah or Rudra-dama inscription, Avanti, Anupadesa, Anartta, Aparanta, Nishada; the Andhrabritya kings. VIII. Skandagupta's inscription. IX. Caves in Junaghad* and elsewhere, in Kathiawad* the caves of Junaghad*; the new Sah inscription, the Uparkot excavations; the Jami Masjid, Khapura Khodi or Khangar's Mehal, Talaja and Sana caves, caves at Dhank, Siddhsar caves. X. Mount Girnar, the Girnara Mahatmya, the Jain Raivatachala Mahatmya, the Jain temples, the Chudasama dynasty of Junagadh*, temple of Neminath, inscriptions from Vastupala's temple, temple of Amba Mata, &c. XI. The royal tombs of Junagadh.* XII. Ghumli or Bhumli, the Navalakha temple, the Ramapola, Salesar, Talao, and Son Kansari temples, legend of the fall of Ghumli, Sakroja Talao and Vethiya War. XIII. Gop, old temple. XIV. Jamnagar, palace and gateway. XV. Kachh,* geography, the Ran and the "Periplus," castes. XVI. Jadeja history, the Jadeja genealogy, Shah Husain's invasion, the earthquake of 1819. XVII. Munra, Bhadresvar, and Anjar, Jain Chhatri at Munra, Bhadresvar or Bhadravati history; Bhuvad, temple of Bhuvanesvara; Anjar temples and Atits of Ajaipala and Jesal. XVIII. Bhuj, mosque and mahasati, Kheda temple, Kotai old temples, Dhamarka, Kanthkot, images of Syrya, Kakra, &c. XIX. Gujarat,* Sankesvar, and Jhinjuwada, Dabhoi. *Appendix:* Translations of inscriptions from Belgaum and Kaladgi, by J. F. Fleet, Esq., Bo. C.S.; from Saundatti, Manoli, Badami, Pattadkal temple, Aihole. Seventy-four illustrations, 5 woodcuts, and 29 extra photographs.

VIII.

THE MARINE SURVEY OF INDIA.

LETTER from Mr. CLEMENTS R. MARKHAM to the Under Secretary of State for India on the Marine Surveys of India, with Five Enclosures, viz.:—

1. Memoir on Indian Marine Surveys, by Clements R. Markham.
2. On the Indian Nautical Surveys, the existing arrangement with the Admiralty, and the New Persian Gulf Survey, by Trelawney Saunders, Assistant Geographer India Office.
3. Paper on the Harbours of India, by Commander A. D. Taylor, late I. N. August 1870.

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* To be spelt Ahmedabad, Kattywar, Sind, Junagarh, Cutch, and Guzerat by order of Government, 3 Sept. 1875.

4. Memorandum on the Marine Surveys of India, by Commander A. D. Taylor, late I. N. March 1871.
5. Captain Constable's Memorandum on the State of the Coast Survey of India in 1862. Foolscap, 40 pages.

REVIEW of ADMIRALTY CHARTS of BRITISH INDIA, with a Scheme for the Correction of Charts and future Marine Surveys. By Capt. A. D. Taylor. Calcutta, 1870. Foolscap, 25 pages.

GENERAL REPORT of the Operations of the MARINE SURVEY of INDIA, from the commencement in 1874 to the end of the official year 1875–76. Prepared for submission to the Government of India, by Commander A. Dundas Taylor, late I. N., F.R.G.S., Superintendent of Marine Surveys. Calcutta, 1876. Folio, 23 and xv. pages, with an Index Map to the Surveys completed by Officers of the Marine Survey Department.

*** *See* pages 547 to 611 for the Charts.

THE INDIAN ATLAS.

CONSTRUCTED ON THE

BASIS OF THE TRIGONOMETRICAL SURVEY OF INDIA

FROM THE

TOPOGRAPHICAL AND REVENUE SURVEYS;

AND ENGRAVED ON COPPER, BY THE LATE JOHN WALKER, ESQ., F.R.G.S., GEOGRAPHER TO THE INDIAN GOVERNMENT.

Scale, 4 miles to 1 inch.

The Atlas is designed to extend to 177 sheets, with an Index Map, etc.; *size of each sheet 40 inches by 27; price 4s. Some of the sheets are published in quarters, price 1s. 6d. each;* the following are published:—

1.

INDEX to the INDIAN ATLAS. A Map of India, showing the limits of each sheet of the Atlas, and distinguishing those which are published. *Scale,* 104 *miles to* 1 *inch; size,* 24 *inches by* 33; *price* 2*s.*

A small edition of the Index Map is issued gratis.

2.

PUBLISHED SHEETS of the INDIAN ATLAS in numerical order, with the names of the principal places in each.

1*a*. *S.E. Quarter sheet.* Shahdadpoor.
1. *N.E. Quarter sheet.* Larkhana.
1. *S.E. Quarter sheet.* Nowshera.
2. *N.E. Quarter sheet.* Majunda.
2. *S.E. Quarter sheet.* Hydrabad.
2. *S.W. Quarter sheet.* Kurrachee.
3. *N.E. Quarter sheet.* Tatta.
3. *N.W. Quarter sheet.* Coast of Indus Delta.
3. *S.E. Quarter sheet.* Mouths of Indus.
4. Koorum Valley, Cabul.
5. *N.E. Quarter sheet.* Hussun Kheil.
5. *S.E. Quarter sheet.* Tank.
6. *N.E. Quarter sheet.* Tukht-i-Soliman.
6. *S.E. Quarter sheet.* Vehowah.
7. Vuddore, Jampoor, Shum plain.
8. *N.E. Quarter sheet.* Mittun-Kote.
8. *S.E. Quarter sheet.* Kushmore.
8. *S.W. Quarter sheet.* Shikarpoor.
9. *N.E. Quarter sheet.* Mitrahoo.
9. *N.W. Quarter sheet.* Khyrpoor.
9. *S.W. Quarter sheet.* Narra River.
9. *S.E. Quarter sheet.* Khyrpoor.
10. *N.E. Quarter sheet.* Ranahoo.
10. *N.W. Quarter sheet.* Shahdadpoor.
10. *S.E. Quarter sheet.* Oomerkot.
10. *S.W. Quarter sheet.* Alakyar-ka-tanda.
11. *N.E. Quarter sheet.* Nugur-Parkur.
11. *N.W. Quarter sheet.* Buddeena.
11. *S.E. Quarter sheet.* Runn of Cutch.
11. *S.W. Quarter sheet.* Luckput.
14. Jelalabad, Peshawur, Attock, Swat.
15. Bunnoo, Kalabagh, Pind-Dadun-Khan.
16. Dehra-Ishmael-Khan, Leia, Jhung.
17. Dehra-Ghazee-Khan, Mooltan.

24. Damaun, Jowar, Bhewndee.
25. Bombay, Bhore-ghaut, Ban-Kote.
26. Rutnagherry, Unjunvel, Viziadroog.
27. *Joined to sheet* 41.
27A. *N.E. Quarter sheet.* Hunza Nagar.
27A. *S.E. Quarter sheet.* Skardo, Astor.
28. Cashmere, Abottabad, Deosai plain.
29. Rawul-Pindi, Jamoo, Sealkote.
30. Lahore, Umritsur, Jalindhur.
31. Pak-Pattun, Sirsuh, Bhutteeanna.
32. *N.E. Quarter sheet.* Hissar. *Unfinished.*
32. *S.E. Quarter sheet.* Jhunjhnu. *Unfinished.*
33. *N.E. Quarter sheet.* Sikar.
33. *S.E. Quarter sheet.* Sambar Lake.
34. *N.E. Quarter sheet.* Lawa.
34. *S.E. Quarter sheet.* Boondi.
38. Nassick, Thul-ghat, Arungabad.
39. Poona, Mahabuleshwur.
40. Satara, Kolapoor, Beejapoor.
41. Goa, Darwar, Belgaum.
42. North Canara, Soonda, N.W. Mysore.
43. South Canara, Coorg, S.W. Mysore.
44. Beypoor, Calicut, Cannanore.
44A. *N.W. Quarter sheet.* Moostakh Pass.
44A. *S.E. Quarter sheet.* Karakoram Pass.
44A. *S.W. Quarter sheet.* Balti, Masherbrum peak.
45. *N.W. Quarter sheet.* Dras, Indus and Shyok rivers.
45. *S.W. Quarter sheet.* Sooroo and Zaskar rivers.
46. Chamba, Kulu, Lahaol, Spiti.
47. Loodheeanuh, Simla, Kangra, Chini.
48. Bijnour, Dehra, Sirhind, Puttiala.
49. Delhi, Meerut, Jhujhur, Hissar.
50. Agra, Bhurtpoor, Dholpoor, Ulwar.
51. *N.E. Quarter sheet.* Gwalior.
51. *N.W. Quarter sheet.* Tonk.
51. *S.E. Quarter sheet.* Sipri.
51. *S.W. Quarter sheet.* Kotah.
52. *N.E. Quarter sheet.* Goonah.
52. *S.E. Quarter sheet.* Sirong.
53. *S.E. Quarter sheet.* Seonee.
54. Gawilgurh, Oomrawutty. *Incomplete.*
55. Maiker, Bassim, Jaulnah, Berar.
56. Patree, Daroor, Kowlass, Beder.
57. Sholapoor, Koolburga, Koilconda.
58. Raichoor, Moodgul, Bellary, Kurnool.
59. North-East Mysore, Ceded Districts.
60. Mysore, Seringapatam, Bangalore.
61. Coimbatoor, Neilgherries, Wynaad.
62. Cochin, Dindigul.
63. Cape Comorin, Tinnevilly, Quilon.
63A. *S.W. Quarter sheet.* Pangkong Lake.
64 *N.W. Quarter sheet.* River Indus.
64. *S.W. Quarter sheet.* Hanlé.
65. Gangotri, Shipki. *Incomplete.*
66. Almorah, Nynee Tal. *Incomplete.*
67. Bareilly, Moradabad, Budaon.
68. Furruckabad, Cawnpoor, Etawah.
69. *N.E. Quarter sheet.* Calpee.
69. *N.W. Quarter sheet.* Jaloun.
69. *S.E. Quarter sheet.* Mahoba. *Unfinished.*
69. *S.W. Quarter sheet.* Jhansee.
70. *N.E. Quarter sheet.* Punnah.
70. *N.W. Quarter sheet.* Lulutpoor.
70. *S. E. Quarter sheet.* Dumoh.
70. *S.W. Quarter sheet.* Saugor.
71. *N.W. Quarter sheet.* Nursinghpoor.
71. *N.E. Quarter sheet.* Jubbulpoor.
71. *S.W. Quarter sheet.* Sohagpoor.
72. Nagpoor, Seonee, Chindwarra.
72. *N.E. Quarter sheet.* Seonee.
72. *S.E. Quarter sheet.* Bhundara.
72. *S.W. Quarter sheet.* Nagpoor.
73. Chandah, Hingunghaut, East Berar.
74. Eilgundel, Warungul, Medduck, Nirmul. *Imperfect.*
75. Hydrabad, Bhonageer, Daverconda.
76. Guntoor, Kurnool.
77. Cuddapah, Nellore, Tripetty hills.
78. Madras, Arcot, Kistnagherry, Chittoor.
79. Pondicherry, Tanjore, Salem.
80. Madura, Point Calymere, Ramnad.
81. Tuticorin, Gulf of Manar.
86. *S.W. Quarter sheet.* Kheree in Oudh.
87. *N.E. Quarter sheet.* Bulrampoor in Oudh.
87. *N.W. Quarter sheet.* Buhraitch.
87. *S.E. Quarter sheet.* Fyzabad.
87. *S.W. Quarter sheet.* Lucknow.
88. Allahabad, Mirzapoor, Benares.
89. Rewah.
90. *S.E. Quarter sheet.* Ratanpur.
91. *N.E. Quarter sheet.* Belaspoor.
91. *S.E. Quarter sheet.* Kaoria, Chura.
92. *N.E. Quarter sheet.* Noagarh, Karial.
92. *S.E. Quarter sheet.* Raegarh.
93. *N.E. Quarter sheet.* Jeypur.
94. Rajamundry, Coringa, Ellore.
95. Masulipatam, Guntoor.
102. Khatmandoo, Bettiah, Goruckpoor.
103. Patna, Azimgurh, Tirhoot, Behar.
104. Palamow, Hazareebagh.
105. *N.E. Quarter sheet.* Palkot, Jeria.
105. *N.W. Quarter sheet.* Jushpur.
105. *S.E. Quarter sheet.* Gangpoor.
105. *S.W. Quarter sheet.* Oodeypoor.
106. Sumbulpoor, Sarangur, Sonpoor.

107. Ganjam, Kalahandy, Chinna-Kimidi.
108. Calingapatam, Vizianagram.
109. Vizagapatam.
111. Northern Tirhoot and Purneah.
112. Purneah, Monghyr, Bhagulpoor.
113. Beerbhoom, Raneegunj, Parasnath.
114. Midnapoor, Bancoorah, Chaibassa.
115. Balasore, Cuttack, Koenjur.
116. Pooree, Chilka Lake.
118. Kooch-Behar, Darjeeling.
119. Bograh, Rungpoor, Dinajpoor, Malda.
120. Moorshedabad Pubna, Burdwan.
121. Twenty-four Pergunnahs, Calcutta.
124. *N.W. Quarter sheet.* Dewangiri.
125. *N.E. Quarter sheet.* Cherrapoonjee.
125. *S.E. Quarter sheet.* Sylhet.
125. *S.W. Quarter sheet.* Parts of Mymensing and Sylhet.
128. *N.E. Quarter sheet.* Nauf River.
131. *N.W. Quarter sheet.* Asalu.
131. *S.W. Quarter sheet.* Lukhipoor.

The INDIAN ATLAS, coloured GEOLOGICALLY, by the Geological Survey of India. *See* page 89.

DRAWINGS for the INDIAN ATLAS. Prepared in the Offices of the Surveyor-General in Madras or Bombay, 1828 to 1830. *Scale, 4 miles to 1 inch.* MSS.

No.	II.	3 N.W.	Ahmedabad, Baroda.
„	„	2 S.W.	Kolapoor, Beejapoor.
„	III.	2 S.W.	Goa.
„	„	2 S.W.	Dharwar. (Although numbered alike, the contents are different from the foregoing.)
„	„	2 S.W.	Canara and Bellari. (This drawing joins the Goa sheet, and leaves the parts about Dharwar blank.)
„	„	1 S.W.	Bellari and Karnul.
„	„	S.	Nizampatam, Nellur.
„	IV.	2 S.W.	Hulloor (almost blank).
„	„	2 S.W.	N.W. Mysore. (The blank of the preceding sheet is filled up in this.)
„	„	1 S.W.	Mysore, Bangalore.
„	V.	1 S.W.	S.E. Mysore, Salem.
„	„	S.	South Arcot.
„	VI.	S.	Tanjore.
„	VII.	2 S.W.	Quilon.
„	„	1 S.W.	Trivandrum, Cape Comorin.
„	„	S.	Paumben.

Drawings in this form for the Atlas were not continued; and the originals actually employed since, have not been preserved.

Atlas of SOUTH INDIA in eighteen sheets, from Cape Comorin to the river Kistnah, delineated on a scale of four English miles to one inch, principally from original surveys communicated by the Honourable Court of Directors of the East India Company; by A. Arrowsmith. London, 1822. On 16 sheets, with an index map and a sketch map of India. Folio, half-bound.

Atlas of the NORTH-WEST of INDIA. Part 1st containing maps of the countries between the latitudes of 28° 50′ and 32° North, and the longitudes of 75° 50′ and 81° 30′ East, constructed from recent surveys by J. A. Hodgson, Surveyor-General of India. *Scale,* 1 *inch to* 4 *British miles.* Signed J. A. Hodgson, 1823. *On* 15 *sheets and title ; size of each,* 27 *inches by* 22. MSS.

A new Map of HINDOSTAN, constructed from original materials exhibiting its political divisions, and the natural features of the country. By G. and J. Cary. London, 1824. Dedicated to Lieut.-Colonel Valentine Blacker, C.B., Surveyor-General of India. *Scale,* 25 *miles to* 1 *inch;* on 6 sheets, including a map of the countries between India and Europe. With a list of eleven overland travellers, beginning with Niebuhr, and their routes. *Scale,* 120 *miles to* 1 *inch.* Folio, half-bound.

This newly constructed and extended Map of INDIA from the latest surveys of the best authorities, published principally for the use of the officers of the Army in India, is respectfully inscribed to Major-General Sir John Malcolm, G.C.B., K.L.S., &c. By Parbury, Allen, & Co. London, 1825. Drawn and engraved by John Walker. *Scale,* 32 *miles to* 1 *inch; size,* 62 *inches by* 62.

Another edition, 1831.

Another edition, by W. H. Allen & Co., 1836, folded.

A general Map of INDIA compiled from the latest authorities. Drawn and engraved by J. Walker. Published by James Horsburgh, Hydrographer to the Honourable East India Company. 1825. *Scale,* 64 *miles to* 1 *inch ; on* 2 *sheets : size,* 27 *inches by* 50.

Index containing the NAMES and GEOGRAPHICAL POSITIONS of all PLACES in the Maps of INDIA. Designed to facilitate the use of those maps and especially that of the newly constructed and extended Map of India lately published by Kingsbury, Parbury, and Allen, Booksellers to the Hon. East India Company, London, 1826. 12mo. 448 pages, boards.

A new MAP of the ANCIENT DIVISION of the DECKAN, illustrative of the history of the Hindu Dynasties, with descriptions of the principal places * * * By C. V. Ramaswammy, Pundit. Calcutta, 1827. *Scale,* 20 *cos to* 1 *inch ; size,* 28 *inches by* 21.

An Atlas with the following printed title, containing five Maps :—

Maps illustrative of the EUROPEAN CONNECTION WITH INDIA and of the British Administration in its several Departments. London, printed by order of the Honourable Court of Directors, 1833. With an Introduction by John Walker, Military Secretary's Office, India House.

*** These maps are drawn for the year 1831 to correspond with the Report for the House of Commons of that year.

1. General and Commercial Map of India and of the adjacent countries and islands (distinguishing the foreign European Settlements). By John Walker, Military Secretary's Office, India House.
2. Political Map of India. By John Walker, Military Secretary's Office, India House. (With a Chronological Table of the Acquisitions of the British in India up to 1826 ;) a list of Native States established by the British Government in conquered Territory ; a list of State Pensioners ; a list of Native States not under British protection ; Native States with which subsidiary treaties exist; Native States under British protection without treaties ; Foreign Independent States.

3. Military Map of India (showing the Territories under the Armies of Bengal, Madras and Bombay, with their Military Divisions.)* By John Walker, Military Secretary's Office, India House.

* *Note.*—It would appear from the Map that it is coloured in Presidencies. but these Military limits are not Presidential, and are very different from the Political or Civil limits of the Presidencies.

4. Revenue Map of India. By John Walker, Military Secretary's Office, India House. With a list of the Collectorates in the three Presidencies.
5. Judicial Map of India. By John Walker, Military Secretary's Office, India House. With a list of the Zillahs in the three Presidencies.

An ATLAS, without title or contents, including the following maps. It appears to be an extension of the Atlas made in 1833, for the purpose of accompanying the Report to the House of Commons in 1851.

1. General and Commercial Map of India and of the adjacent countries and islands (distinguishing the Foreign European Settlements and denoting the distances between the principal ports.)
2. Political Map of India, by John Walker. (With a Chronological Table of the acquisitions of the British in India up to 1850.)
3. Revenue Map of India, by John Walker. (Showing the three Presidencies divided into Collectorates, the Protected and Independent States.)
4. Military Map of India, by John Walker. (Showing the Territories under the Bengal, Madras, and Bombay Armies, and their military divisions ; also the principal routes with distances.)
5. Map showing the States on the South-West Frontiers of Bengal and Bahar. By John Walker.
6. Map showing the States on the North-East Frontiers of Bengal. By John Walker, with a Sketch Map showing the position of the tea tracts in Upper Assam, and the plantations of the Assam Tea Company.
7. States of Bundlecund and the adjacent districts. By John Walker.
8. Map showing the British Possessions on the North-West Frontier of India and the adjacent States. By John Walker.
9. Map showing the States between the Ganges and Sutlej rivers. By John Walker.
10. Map of the Burman Empire, showing also the States on the Eastern Frontier of Bengal. By John Walker.

Also unbound:—

Map showing the extent of the SIKH TERRITORY at the death of Maharajah Runjeet Sing, and the partitions effected by treaties between the British Government, Maharajah Dhuleep Sing, and Maharajah Gholab Sing. By John Walker.

*** This map is another edition of the Map of the North-West Frontier, No. 8 in the foregoing Atlas.

Map of the POST OFFICE STATIONS and POST and BANGY ROUTES throughout BRITISH INDIA. Constructed by J. B. Tassin, under orders of the Supreme Government of India, for the use of the Post Office Department of the three Presidencies, from materials collected by Captain T. J. Taylor, Secretary to the Committee for the Revision of Customs and Post Office Departments in India. Calcutta, 1838. *Scale,* 90 *miles to* 1 *inch ; size,* 30 *inches by* 25. Mounted in a case.

Index to WYLD'S Map of INDIA, containing the names of the Towns, Military and Civil Stations, Collectorates, Zillahs, &c. Collected and alphabetically arranged, with their geographical positions correctly ascertained. 8vo. 114 pages, cloth. London, 1838.

Map of the ROUTES in INDIA with Tables of Distances between the Principal Towns and Military Stations. London, Wm. H. Allen & Co., 1841. *Scale,* 80 *miles to* 1 *inch ; size,* 32 *inches by* 26. Mounted in a case.

Map of INDIA from the most recent authorities. Wm. H. Allen & Co., London, 1845. Drawn and engraved by John Walker. *Scale,* 64 *miles to* 1 *inch ; size,* 38 *inches by* 33. Folded in a case.

A newly constructed and improved Map of INDIA compiled chiefly from surveys executed by order of the Honourable East India Company. London, W. H. Allen & Co., 7, Leadenhall St., 1849. Drawn and engraved by J. and C. Walker. Another edition 1852, coloured to show the British Possessions in 1833 ;—the Acquisitions from 1833 to 1855 ;—and the Subsidiary, Protected, and Independent States.

Map of INDIA showing the British Territories and those of the Native States, chiefly compiled from Trigonometrical Surveys executed by order of the Honourable Court of Directors of the East India Company. By John Walker, Geographer to the East India Company, 1852. *Scale,* 32 *miles to* 1 *inch ; on* 6 *sheets ; size,* 66 *inches by* 66. Mounted to fold in a cover.

Another edition, 1868. On spring rollers.

Map of INDIA, from the most recent Authorities. Wm. H. Allen & Co., 7, Leadenhall Street, London, 1853. Drawn and engraved by J. and C. Walker. *Scale,* 65 *miles to* 1 *inch ; on* 2 *sheets ; size of each,* 40 *inches by* 27. Western sheet only.

A Gazetteer of the TERRITORIES under the Government of the East India Company and of the Native States on the Continent of INDIA. Compiled by authority of the Hon. Court of Directors, and chiefly from documents in their possession, by Edward Thornton, Esq., &c. In four volumes. London, 1854. Octavo, cloth.

Also an edition in one volume, corrected to the latest period by the author. London, 1857.

An Atlas of the SOUTHERN PART of INDIA, including Plans of all the principal Towns and Cantonments, reduced from the Grand Trigonometrical Survey of India, showing also the Tenasserim Provinces. Pharoah & Co., Madras. Engraved by J. and C. Walker. Sixty-seven maps, and a general Map by F. H. Scott, Major, Dep. Q. M. Gen. of the Army. Madras, 1854. In 1 vol. 4to. Half-bound.

A Gazetteer of SOUTHERN INDIA, with the Tenasserim Provinces and Singapore. Compiled from original and authentic sources. Accompanied by an Atlas, &c. By Pharaoh & Co., Madras, 1855. Octavo, half-bound.

Cyclopædia of INDIA, and of EASTERN and SOUTHERN ASIA, Commercial, Industrial, and Scientific; products of the Mineral, Vegetable, and Animal kingdoms, Useful Arts and Manufactures. Edited by Edward Balfour, L.R.C.S.E., Deputy Inspector General of Hospitals, Madras Army, &c. Madras, 1857. In one thick volume, octavo. Also two supplementary volumes to 1862.

The second edition. in five vols. Madras, 1871–73.

Maps and Plans to accompany GOVERNMENT (of India) RECORD, No. LIII., or Annual Progress Reports of the Executive Engineers in the Southern, Central, and Northern Provinces for 1857–58 ; also Sind for 1856–7 and 1857–8. Thirty maps. Oblong 4to., cloth.

Stanford's Map of INDIA, based on the Surveys executed by order of the Honourable the East India Company, special Maps of the Surveyor-General, and other authorities ; showing the latest territorial acquisitions of the British

Empire, and the Independent and Protected States, Railways, Canals, &c., 1857. *Scale,* 35 *miles to* 1 *inch; size,* 64 *inches by* 50. Mounted in a case. With a chronological table of acquisitions, diagrams of bearings and distances of important places from the Presidencies, &c.

Handbook to the Maps of INDIA. Compiled by Major H. V. Stephen. London, 1857. 16mo. 137 pages, bound.

Map of INDIA to illustrate Mr. Bourne's Letter on Inland Navigation. Published for the Soc. Diff. U. Knowledge in 1846, with additions to the title, &c. in MS. *Size,* 17 *inches by* 15.

Vorder INDIEN entworfen und gezeichnet von C. F. Weiland. Weimar, 1858. *Scale,* 100 *miles to* 1 *inch; size,* 26 *inches by* 23.

DISTRICTS and DIVISIONS of INDIA. 1862. *Scale,* 96 *miles to* 1 *inch; size,* 26 *inches by* 28; *price* 2*s.*

The INDIAN TRAMWAY COMPANY, Limited * * * Sketch Map showing the Railways, Roads, and proposed Tramways. 1862. *Scale,* 68 *miles to* 1 *inch; size,* 34 *inches by* 26.

INDIA. 1864. Fifth edition. (Lady Canning's Map.) *Scale,* 128 *miles to* 1 *inch; size,* 22 *inches by* 26.

Sketch Map of INDIA. By John Walker. (Containing Roads, and Canals for navigation and irrigation, from official information to 1864; also Railways and Telegraph lines and stations to the present time.) *Scale,* 32 *miles to* 1 *inch; on* 6 *sheets; size,* 66 *inches by* 54; *price* 12*s.*

The same, showing Telegraph Lines and Stations; prepared from information furnished by the Telegraph Department, 1864.

Sketch Map of INDIA, showing the lines of Railway and Electric Telegraph. By John Walker. *Scale,* 80 *miles to* 1 *inch; size,* 29 *inches by* 29; *price* 2*s.* One copy dated 1868; another in 1869; another in 1869, to accompany the minute of Sir John Lawrence; another in 1870, and other copies undated.

Skeleton Map of INDIA showing Political Divisions, corrected and revised 1865. H. A. Thuillier, Colonel, Surveyor-General of India. *Scale,* 32 *miles to* 1 *inch; size,* 66 *inches by* 54. MS.

*** Since published by the S.G.O. in 6 sheets. See *Sketch Map of India* 1868 *and* 1870.

Skeleton Map of INDIA, to illustrate the Lines of Telegraph in 1868. Prepared from information furnished by the Officiating Director-General of Telegraphs in India. *Scale,* 96 *miles to* 1 *inch; size,* 2 *feet square. Folded in a cover, price* 1*s.*

Index to the DISTRICTS and DIVISIONS of INDIA, 5th Edition. 1868. *Scale,* 96 *miles to* 1 *inch; size,* 26 *inches by* 28; *price, in cover,* 2*s.*

Hand Map of INDIA. 1869. *Scale, about* 2° *to* 1 *inch; size,* 2 *feet square. Coloured and folded in a cover, price* 2*s. The sheet uncoloured, price* 1*s.* (A previous edition, 1868.)

Sketch Map of INDIA, showing the Political and Revenue Divisions, Calcutta, 1868. *Scale,* 32 *miles to* 1 *inch; on* 6 *sheets; size,* 66 *inches by* 68; *price* 12*s.*

Another edition, 1870.

Fifth edition, 1872; also with corrections to June 1874.

INDEX to the GREAT TRIGONOMETRICAL SURVEY of INDIA, exhibiting in one view the Districts of Bengal, Madras, and Bombay Presidencies, the several series of triangulation, and the sections of the Indian Atlas to the year 1869. *Scale,* 96 *miles to* 1 *inch; size,* 24 *inches to* 26; *price,* 2*s.*

INDIA (No. 1). 1869. Published under the direction of Colonel H. L. Thuillier, F.R.S., Surveyor-General of India. *Scale,* 256 *miles to* 1 *inch; size,* 12 *inches by* 13; *price* 1*s.*

INDIA (No. 2). Published at the Surveyor-General's Office, Calcutta. *Scale,* 128 *miles to* 1 *inch; size,* 22 *inches by* 24; *price* 2*s.* 1870. In a cover, entitled, Hand Map of India with Hills.

Also a later edition in 1870.

INDIA (No. 2A). 1869. In a cover entitled Hand Map of India without Hills. Published under the direction of Colonel H. L. Thuillier, R.A., F.R.S., Surveyor-General of India. *Scale,* 128 *to* 1 *inch; size,* 22 *inches by* 24; *price,* 2*s. each.*

Also a later edition, January 1870.

INDIA (No. 2). 1870. Published under the direction of Colonel Thuillier, R.A., F.R.S. With Hills. *Scale,* 128 *miles to* 1 *inch; size,* 22 *inches by* 24; *in cover, price* 2*s.* 6*d.*

The same without Hills. *In cover, price* 2*s.* 6*d.*

Skeleton Map of INDIA, illustrating the Lines of Telegraph in 1870. Compiled in the office of the Director-General of Telegraphs in India. *Scale,* 75 *miles to* 1 *inch; size,* 38 *inches by* 35; *price,* 4*s.*

A Sketch of the MOUNTAINS and RIVER BASINS of INDIA, in two maps, with explanatory Memoirs. By Trelawny Saunders. 1870. *Imp.* 8*vo., price* 3*s.*

A Sketch of the MOUNTAINS of INDIA and its Borders. With a comparative series of Vertical Sections. By Trelawny Saunders. 1870. *Scale,* 3 *degrees to* 1 *inch; size,* 16 *inches by* 13; *price* 1*s.*

A Sketch of the RIVER BASINS of INDIA and its Borders: an adaptation of the previous map. By the same author. *Price* 1*s.*

EASTERN BENGAL, BURMAH, and Parts of CHINA and SIAM. 1870. *Scale,* 32 *miles to* 1 *inch; on* 4 *sheets; size,* 48 *inches by* 40; *price* 12*s.*

NORTHERN INDIA. In seven sheets. *Scale,* 16 *miles to* 1 *inch; size of each sheet,* 24 *inches* by 19; *price, of each,* 4*s.*

The following are published:—

No. 3. Delhi and Meerut to Simla, Kangra, and Lahore

No. 4. Kumaon, Gurhwal, Allyghur, Buraech.

No. 7. North-West Provinces, eastern part; Tirhoot and Chota Nagpore.

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2. SPECIAL MAPS.

(a.) *Altitudes.*

BAROMETRICAL SECTIONS OF INDIA. Bound together in 1 vol. folio. *Size,* 17 *inches by* 11.

CONTENTS :—

1. Barometrical Section of India from Cape Comorin in lat. N. 8° 9′, long. E. 77° 41′ to the source of the Taptee River, near Mooltye in lat. N. 21° 44′, long. E. 78° 20′. By Major-General William Cullen, Madras Artillery, Resident of Travancore and Cochin. *Scale of distances,* 10 *miles to* 1 *inch; altitudes,* 1000 *feet to* 1 *inch.* Madras, 1851. With notes on climate. *Size,* 10 *feet by* 16 *inches.*

2. Map showing the relative positions of the places, the altitudes of which are exhibited in the accompanying section (Bombay to Chittoor). *Scale,* 10 *miles to* 1 *inch.*

   Barometrical Section of India from Bombay in lat N. 18° 57′, long. E. 72° 57′ to Chittoor, in lat. N. 24° 56′, long. E. 74° 44′, constructed from the Observations of Lieutenant-Colonel J. Wilson, 26th Regiment of Bengal Native Infantry, C.B. *Scale of distances,* 10 *miles to* 1 *inch; altitudes,* 1000 *feet to* 1 *inch; size,* 5½ *feet by* 16 *inches.*

3. Map showing the relative positions of the places, the altitudes of which are exhibited in the accompanying section. (Agra to Sabbathoo.) *Scale,* 10 *miles to* 1 *inch.*

   Barometrical Section of India from Agra, lat. N. 27° 10′, long. 78° 3′ 51″, to Subhatoo in lat. 30° 58′ 12″, long. 76° 58′ 37″. Constructed from the observations of Captain A. Gerard. *Total distance,* 287 *miles on a scale of* 10 *miles to* 1 *inch; altitudes,* 1000 *feet to* 1 *inch.*

4. Barometrical Section of India. By Major-General W. Cullen, Madras Artillery, Resident of Travancore and Cochin. *Distances,* 10 *miles to* 1 *inch; altitudes,* 1000 *feet to* 1 *inch.* With notes on climate.

   From Nagpore to Jaulna.
   From Goa to Bellary.
   From Madras to Mysore.

   Joined together, size 7 *feet by* 16 *inches.*

5. Barometrical Section from Madras to Bellary. By Major-General William Cullen, Madras Artillery, &c. With coloured indications of the prevailing rocks. *Horizontal scale,* 10 *miles to* 1 *inch; vertical scale,* 1000 *feet to* 1 *inch; size,* 3 *feet by* 16 *inches.*

6, 7. Barometrical Section from Mulla Amanhuroo viâ Soondoor, &c. to Bellary. By Major-General William Cullen, &c., 1823. Also from Bellary, viâ Hirriel and Baghudoogoota or Boygatta to Mulla Amanhuroo.

8. Barometrical Section of India from the Caves of Elloora in lat. N. 10°, long. E. 76° to Masulipatam, lat. N. 16°, long. E. 81° 11′. By Major-General William Cullen, &c. *Scale of distance,* 10 *miles to* 1 *inch; altitudes,* 1000 *feet to* 1 *inch; size,* 4½ *feet by* 16 *inches.*

BAROMETRICAL SECTIONS. *Distances,* 10 *miles to* 1 *inch: Altitudes,* 1,000 *feet to* 1 *inch.*

Nagpore to Jaulna. Goa to Bellary. Madras to Mysore; with Notes on Climate, &c. In Madras Public Letter, 13th Aug. 1844; No. 14, par. 2 to 5. *Size,* 34 *inches by* 26. MS.

Cape Comorin to the source of the Taptee River, near Mooltye. Caves of Elloora to Masulipatam. *Size, 22 inches by* 10 *feet.* MS.

BAROMETRICAL SECTION from MADRAS to BELLARY.

By Captain W. Cullen, Artillery. No date. *Distances,* 10 *miles to* 1 *inch.* Geologically coloured.

HODGSON'S Series of VERTICAL SECTIONS :—

No. 8. Section of the Mountain Provinces between the Sutluj and Ganges Rivers, by Captain J. A. Hodgson and Lieut. J. D. Herbert. 1822. *Size,* 10 *inches by* 4 *yards.* MS.

No. 9. Section from BOMBAY to CHITTOOR. Constructed from the barometrical observations of Major Wilson, 26th Regt. Bengal N.I. 1822. *Size,* 9 *inches by* 48. MS.

No. 10. Section from ST. THOMAS'S MOUNT to MYSORE. Constructed from the barometrical observations of Captain Cullen, Madras Artillery. *Size,* 9 *inches by* 26. MS.

No. 11. Section from CAPE COMORIN to MOOLTYE at the head of the Tapty. Constructed from the barometrical observations of Captain Cullen, Madras Artillery. *Size,* 9 *inches by* 6 *feet.* MS.

No. 12. Section from BELLARY to GOA. Constructed from the barometrical observations of Captain Cullen, Madras Artillery. *Size,* 9 *inches by* 26. MS.

No. 14. Section from JAULNA to NAGPOOR. Constructed from the barometrical observations of Captain Cullen, Madras Artillery. *Size,* 9 *inches by* 26. MS.

The SPIRIT LEVELS and TRIGONOMETRICAL HEIGHTS

of the GREAT TRIGONOMETRICAL SURVEY of INDIA, combined with Spirit Levels of the Department of Public Works (also Canal, Revenue, and other surveys). Expressed in feet and referred to the datum of the mean sea level of Karachi harbour.* Dehra, 1869-77. *Scale,* 2 *miles* to 1 *inch.* The following sheets are published, *size of each,* 28 *inches by* 41, with letter-press to each sheet.

No. 1. Parts of Ambala, Suharunpoor, Thunaisur, and Dehra Doon. With letter-press description of Bench Marks and other information, &c. 4 pages folio in a cover. 1st and 2nd editions.
„ 3. „ Suharunpoor, Moozufurnugur, and Thunaisur.
„ 5. „ Moozufurnugur, Meerut, and Paneeput.
„ 7. „ Meerut, Boolundshuhur, Delhi, Paneeput, and Rohtuk.
„ 10. „ Allygurh, Boolundshuhur, Budaon, and Muradabad.
„ 12. „ Allygurh, Mynpoorie, and Budaon.
„ 14. „ Agra and Meethra.
„ 15. „ Etah Mynpoorie, Muthra, Etawah, and Agra.
„ 16. „ Mynpoorie and Furruckabad, &c.
„ 17. „ Etawah and Mynpoorie.

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* This title (except the part in parentheses), appears at the head of the Second Editions of sheets 1 and 3 of the series; and as it seems to be well adapted to the general scope of the work, it is adopted here to include the whole. But the First Edition of sheets 1 and 3, also sheets 5, 7, 10, 12, 14, 15, 16, 17, 18, 19, bear the following title :—" Great Trigonometrical Survey. Levels in the North-West Provinces, compiled from canal, railway, and other surveys, and combined with the operations of the G. T. Survey. Expressed in feet," &c.

Sheets 23 and 66 have another heading, viz. :—" Levels in the Punjab, compiled from canal and other surveys and combined," &c.

Sheet 27 is headed " Levels in the North-West Provinces and Oudh," &c.

Sheets 28 and 40 are headed " Levels in Oudh," &c.

The unity of the work under all these different titles is made manifest by an Index Map in the " General Report on the operations of the Great Trigonometrical Survey of India during 1872-73," the heading of which is, " Index to Main Level Lines by the G. T. Survey, for compilation of Charts. " Northern Section. Sheet No. 1." This Index shows that the scope of the work extends from Peshawur to the Nerbudda, and from Karachi to Calcutta. The various titles and the irregular numbering of the sheets, seem to imply that narrower limits were formerly intended. As the consequences are liable to be puzzling and troublesome, this note is inserted to prevent that result, and also the dispersion of the charts as their titles seem to dictate.

No. 18. Parts of Furruckabad, Cawnpoor, and Etawah.
„ 19. „ Cawnpoor and Oudh.
„ 23. „ Karnal, Delhi, Rohtak, Jind, Patiala, and Hissar.
„ 27. „ Shahjahanpur, Kheri, Hardoi, and Sitapur.
„ 28. „ Sitapur, Bara-Banki, Hardoi, Lucknow, and Unao.
„ 40. „ Lucknow, Bara-Banki, Bareli, Unao, Sultanpur, Fyzabad, and Gonda.
„ 66. „ Umballa, Karnal, Patiala, Nabha, &c.

(*b.*) *Antiquities.*

Karte von ALT-INDIEN zu Prof. Chr. Lassens Indischer-Alther-thumskunde, bearbeitet und gezeichnet von Dr. H. Kiepert. A Map of Ancient India, with the Indian Classical and Principal Modern Names to illustrate Prof. Lassen's Indian Antiquities. Drawn by Henry Kiepert, LL.D., at Berlin. 1853. *Scale*, 84 *miles to* 1 *inch.* With a Sketch Map of the Boundaries of Languages now existing in India, and one of the Ancient Geography of the Indo-Chinese Peninsula with the Islands adjacent to India. *Size*, 30 *inches by* 25.

(*c.*) *Geology.*

General Sketch of the PHYSICAL and GEOLOGICAL FEATURES of BRITISH INDIA. By G. B. Greenough, Esq., F.R.S., F.G.S., &c. &c. &c.

With a compass-card showing the Directions of European Mountain Chains, and a map of the Directions of Mountain Ranges in Southern Asia; a list of heights and minerals in Ceylon; lists of Indian coal fields and diamond mines; and of fossils in various parts; also a list of Granite Clusters and Mines in India. *On* 9 *sheets; size*, 78 *inches by* 67. Also a copy mounted in a case.

Geological Section from JEYPORE to JOWRA. By A. A. Jacob. B.A., Engineer and Geologist, B. B. & C. I. Railway Company. *Distances*, 6 *miles to* 1 *inch; size*, 12 *inches by* 54. MS.

ABSTRACT of the PROCEEDINGS of a COMMITTEE for the INVESTIGATION of the COAL and MINERAL RESOURCES of INDIA up to April 1842. By the Secretary, John McClelland (Surgeon). Calcutta, 1842.

REPORT on the IRON ORES of INDIA, by Lieut.-Colonel Goodwyn. October 1856. MS.

*** *See also* the Geological Survey of India, p. 66.

(*d.*) *Languages.*

Map of INDIA illustrating the Divisions in which the various languages prevail. Drawn in the Statistical Office (H. E. I. Company). 1852. *Size*, 14 *inches by* 16.

See also Lassen's Map of Ancient India, above.

For general maps of India in Native Languages, *see* Maps in Oriental Languages, p. 519.

(*e.*) *Meteorology.*

See pages 623 to end.

(*f.*) *Military Maps. Distribution of Troops.*

Military Map of INDIA, showing the disposition of the Armies of the Bengal, Madras, and Bombay Presidencies, and the present condition of the Army of Bengal. Signed H. S. Thuillier, Major, Deputy Surveyor-General of India. Calcutta, October 6, 1857. With a table of the British force before Delhi, August 20, 1857; and of the Native regiments in rebellion in Delhi, Oude, &c.; also particulars of the reinforcements arriving at Calcutta by sea. *Scale,* 64 *miles to* 1 *inch; size,* 33 *inches by* 37; *mounted in a quarto case.*

The same for August 1860.

Sketch Map of INDIA by John Walker, showing the distribution of troops. *Scale,* 32 *miles to* 1 *inch; on* 6 *sheets, half bound as an atlas.* No date.

Sketch Map of INDIA, showing the distribution of Troops in the Presidencies of Bengal, Madras, and Bombay. 1863. The information supplied by the Quartermaster-General's Department. *Scale,* 32 *miles to* 1 *inch; size,* 66 *inches by* 54.

Military Map of INDIA, showing the disposition of the Troops of the Bengal, Madras, and Bombay Presidencies. July and August 1867. Topog. Depôt, War Office. *Scale,* 64 *miles to* 1 *inch; size,* 31 *inches by* 37.

Military Map of INDIA, showing the disposition of the Troops, Lithographed at the Quartermaster-General's Department, under the direction of Major C. W. Wilson, R.E., F.R.S. 1876. *Scale,* 60 *miles to* 1 *inch; size,* 50 *inches by* 40.

*** *See also* separate maps of Bengal, Madras, and Bombay Military Divisions.

(*g.*) *Statistics and Products.*

1. Map of INDIA, showing Area in square miles and Population of each district and British administration; also of the Native States according to the latest returns.
2. Map of INDIA, illustrating the Cultivation of COTTON.
3. Map showing the LOCALITIES of the TEAK FORESTS in India.

The three maps are accompanied by letterpress tables and notes in a cover. Folio. No date.

(*h.*) *Wreck Charts.*

The COAST of INDIA from KARACHI to SINGAPOOR. Showing positions of Wrecks during the year 1867. (Compiled in the Office of the Surveyor-General of India, Calcutta, July 1867.) *Scale,* 60 *miles to* 1 *inch; size,* 30 *inches by* 44; *price* 3*s.*

The COAST of INDIA from KARACHI to SINGAPOOR, showing positions of wrecks during the year 1870. *Scale,* 60 *miles to* 1 *inch; size,* 30 *inches by* 44; *price,* 3*s.*

Also, the same for 1871, 1872, and 1873.

REPORT by Mr. Hope, Executive Engineer, British Burmah, to accompany the Wreck Chart for India, for the year 1864–65. P.W.D. proceedings, December 1866. Fcap., 21 pages.

The INDIAN WRECK and CASUALTY STATEMENTS for the year 1873, together with the notes thereon. No. 167. Marine Consultation for April 1874. Fcap., 15 pages.

3. OLD PORTUGUESE PLANS OF INDIAN TOWNS.

A SERIES OF TRACINGS

OF

OLD PORTUGUESE PLANS OF FORTIFIED TOWNS IN INDIA,

NOW OR FORMERLY BELONGING TO PORTUGAL;

With a manuscript copy of the descriptions which accompany some of them.

Extracted from the following work in the British Museum :—

LIVRO do ESTADO da INDIA ORIENTAL repartido en tres partes, a premeira contem todos os retratos dos Vizorreis que tem avido no dito estado athe o anno de 634 com descripsões de seus governos.

A segunda parte contem as plantas das fortalezas que ha do cabo de boa esperança athe a fortaleza de Chaul e com larga descripção de tudo hoque ha em cada huã das dittas fortalezas, Rendimento e gasto que tem & tudo o mais que lhe toca.

A terceira contem as plantas de todas as fortalezas que ha de Goa athe a China com descripção da mesma forma; & vão juntamente plantas de fortalezas que não são do estado que por estarem nas mesmas costas se puzerão por curiozidade.

Feito pello Capitao P. Barretto de Resende Cavalleiro professo da Ordem de São Bento de Avis, natural de Pavia. Anno de 1646.

The Plans and Descriptions extracted are from a distinct part of the work, the title of which follows, with the titles of the plans:—

Livro de ANTONIO BOCARRO, Guardamor de Archivo Real da INDIA, e Chronista geral della, &c.*

Livro das Plantas, &c.

15. Fortaleza de Dio.
    (Descripção, 1–37.)
16. Fortaleza de Damão.
    (Descripção, 38–62.)
17. Fortes de Sangers e de Dañu.
    (Descripção, 63–64.)
19. Fortes de Sirgam e de Maim.
20. Fortalezas de Agaçaim e Manora.
22. Fortaleza e cidade de Baçaim.
    (Descripção, 65–78.)
23. Fortaleza de Tanna.
    (Descripção, do barro e porto de Mombaim, 79–85.)
24. Fortalezas de Mombaim e Ilha de Carania.
25. Fortaleza do Morro de Chaul.
26. Fortaleza e cidade de Chaul.
27. Fortalezas e Povoações de Agoada, Bardez, e Chorão.
28. Fortalezas e Povoações de Salcete, Mormugãs, e Rachol.
29. Fortaleza de Cambobin.
30. „ Barcelor.
31. „ Mangalor.
32. „ Cananor.
33. „ Cranganor.
34. Fortaleza e cidade de Cochim.
    (Descripção, 86–108.)
35. Fortaleza de Coutão.
36. „ Manar.
45. Cidade de S. Thomé de Meliapor.
    (Descripção.)
    (Descripção da Povoção de Negapatão.)

"According to Silva (Tom. 1, p. 98, and Tom 6., p. 397), P. Barretto de Resende wrote the account of the viceroys, and A. Bocarro the descriptions of the fortresses. There can scarcely be a doubt but that the second part of the Museum MS., although attributed to B. de Resende according to the wording of the title, is really by Bocarro, as it corresponds in all important particulars with the description of Bocarro's work given in the "Catalogo dos MS. de la Bib. Pub. Eborense."

* Catalogados Manuscriptos de Bibliotheca Publica Eborense (Lisbon, 1850) I., p. 302.

4. OLD DUTCH CHARTS AND MAPS OF INDIA.

COPIES OF DUTCH CHARTS AND MAPS,

THE ORIGINALS OF WHICH ARE IN

THE STATE ARCHIVES AT THE HAGUE,

and catalogued in

the "Inventaris der Verzameling Karten berustende in het Rijks Archief."

2 vols. 8vo. 's Gravenhage (The Hague) 1867.

*** The numbers preceding the titles refer to the Dutch catalogue.

I. CHARTS.

Red Sea and Gulf of Aden.

216. A part of the Red Sea, and of the Gulf of Aden, including the African coast between Cape Gardafui and Camelo Island; and the Arabian coast between the Gulf of Baixos (Gulf of Masira ?) and Omara (west coast). *Scale,* 25 *geographical miles to* 1 *inch ; size,* 21 *inches by* 30. Date, 17th century. MS.

217. A part of the Red Sea, including the African coast from the Stony River, and the Arabian coast between Aden and Mocha. *Scale, about* 9 *geographical miles to* 1 *inch ; size,* 21 *inches by* 29. Date, 17th century. MS.

218. A Chart of the roadstead of Mocha, with soundings, and a view of the town. *Scale,* 11 *inches to a German geographical mile; size,* 20 *inches by* 29. Date, 17th century. MS.

Gulfs of Persia and Oman.

219. The Gulf of Oman, including the Arabian coast from Kuria Muria Bay to Cape Monsadok (Mussendom) at the entrance of the Persian Gulf, and the Mekran coast, between Cape Jask and the Indus. *Scale,* 25 *geographical miles to* 1 *inch ; size,* 20 *inches by* 29. Date, 17th century. MS.

220. The Persian and Oman Gulfs from Muscat to Bassora. Soundings along the coast of Persia. *Scale,* 25 *geographical miles to* 1 *inch ; size,* 21 *inches by* 29. Date, 17th century. MS.

221. The Persian and Oman Gulfs, with soundings along the Persian and Oman coasts. *Scale,* 25 *geographical miles to* 1 *inch ; size,* 21 *inches by* 29. Date, 17th century. MS.

222. Muscat to Port Doggeby, west of Cape Mussendom, with soundings. *Scale, about* 14 *geographical miles to* 1 *inch ; size,* 21 *inches by* 29, *including two supplements.*
    (i.) The Bay of Muscat, with soundings and view of the town and forts.
    (ii.) The Strait of Ormuz, with soundings. *Scale, about* 15 *geographical miles to* 1 *inch.*

India, West Coast.

223. The entrance to the Gulf of Cambay, including Súrat, Bombay and Diu, with soundings. *Scale,* 9 *geographical miles to* 1 *inch ; size,* 30 *inches by* 21. Date, 17th century. MS.

224. A chart of Angria's coast (the Concan). *Scale,* 4 *miles to* 1 *inch ; size,* 21 *inches by* 54. Date, 17th century. MS.

225. Chart of the river Taptee up to Súrat, with soundings. *Scale*, 4½ *inches to* 1 *geographical mile; size*, 21 *inches by* 29. Date, 17th century. MS.
226. Chart of Gouzaratte (Cutch) Cuncan of Visiapoer (Beejapoor), Canara and Malabar coast from Gujrát and the R. Pilatus (Indus Delta) to Cranganor, with soundings. *Scale*, 25 *geographical miles to* 1 *inch; size*, 21 *inches by* 29. Date, 17th century. MS.
227. Chart of the Deccan (properly Concan) and Malabar coasts, with the Laccadive and Maldive Islands, and the Padua Bank, &c., including the western coast of India from Diu to Cape Comorin, and part of the Gulf of Manaar, with soundings. *Scale, about* 16 *geographical miles to* 1 *inch; size*, 36 *inches by* 33. Date, 18th century. MS.
228. Chart of a part of the coast of Goa, with soundings. *Size*, 18 *inches by* 29. Date, 17th century. MS.
229. Chart of the Malabar Coast and Backwaters from Coilang (Quilon) to Cranganor, with soundings. By Jan Tim, revised by H. G. Faarant, engineer. *Scale*, 1 *mile to* 1 *inch; size*, 28 *inches by* 118. Date, 1697.
*** *See also* Nos. 882, 883 884.
230. Plan of Culvaty, a suburb of Cochin, with a description by D. Zynen. *Size*, 21 *inches by* 29. Date, 1764.
231. Chart of the Malabar and Coromandel coasts, Palk Strait, and northern coasts of Ceylon, showing the pearl banks, with soundings. *Scale*, 25 *geographical miles to* 1 *inch; size*, 21 *inches by* 29. MS.
232. Coast of Travancore, showing the mud bank of Alepy, with the latitude of each end, and of the outer point of the bank. *Scale*, 4 *inches to a mile; size*, 20 *inches by* 28. Date, 18th century. MS.
233. The coast of Madura from Cape Comorin to Manapad, with the soundings off Insingore. With an explanation. *Size*, 20 *inches by* 25. Date, 1775. MS.
234. Chart of the Maldive Islands, and the coasts of Malabar, Madura, and Ceylon. *Scale*, 20 *geograrhical miles to* 1 *inch; size*, 33 *inches by* 41. MS.

Ceylon.

235. Chart of Ceylon and the coast of Madura. 17th century. MS.
236. Chart of Ceylon and the coast of Madura. 17th century. Copied from an engraving. MS.
237. Chart of the eastern coast of Ceylon with enlargements of Venlos Bay, and the Batacalo River. MS.
244. Chart of the Bay of Trincomalee from the plan of D'Apres de Mannevillette. 18th century. MS.

Coromandel Coast.

250. Chart of the coast of Madura, from Tengepatnam to Point Calimere, and a part of the west coast of Ceylon. 17th century. MS.
252. Chart of the coast of Coromandel, between Manapad and Negapatam, and the west coast of Ceylon from Columbo to Jaffanapatnam, with enlargements about Kaylpatnam and Calpentyn. 17th century. MS.
254. Chart of the coast of Coromandel, from Tondy to Point Goddewarre (Godavery). Also a chart of the coast of Orissa. MS.

Bengal.

258. De Rivier van Bangala. A Dutch chart of the Hoogly from its entrance to the Dutch settlement with soundings. No date. *Scale*, 12 *miles to* 1 *inch; size*, 21 *inches by* 30.
258. The River of Bangala on the Hoogly with the coast to Point Palmyra.
259. Chart of the River Ganges (Hoogly) from a native survey. 17th century. MS.
260. The Ganges. 1735. MS.

Tonquin Gulf.

269. Chart, of the Gulf of Tonquin, Hainan, and Macao. Date, 17th century. *Scale*, 30 *miles to* 1 *inch; size*, 21 *inches by* 30. MS.

II. VIEWS, MAPS, AND PLANS.

Mesopotamia.

863. View of Bassora, with a plan of the town and a view of the Castle of "Gordelaan." On one sheet. *Size,* 20 *inches by* 28. Date, 1667. MS.

Persian Gulf.

864. View of Gombroon, with English and Dutch factories. *Size,* 14 *inches by* 28. Date, 17th century. MS.
865. Ground plan and elevation of projected Dutch factory at Gombroon. *Size,* 32 *inches by* 40. Date, 17th century. MS.
866. View of the fortress of Kishm, with a memoir. *Size,* 16 *inches by* 21. Date, 1645. MS.

Kattywar.

867. Plan of town and fortress of Diu, with explanatory notes. *Size,* 21 *inches by* 29. Date, 17th century. MS.

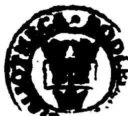
India.

868. Routes between Ahmadabad, Cambay, and Surat. *Size,* 18 *inches by* 25. Date, 17th century.
869 to 875. Plans of Dutch factories and buildings in Surat. On 8 sheets. Date, 17th century.
876, 877. Plans of factories at Broach. On 4 sheets. 1699.
878, 879. Plan and view of the Dutch factory in Ahmadabad. On 2 sheets. *Size,* 18 *inches by* 24. Date, 1697.
880. A view of the Dutch factory at Agra. *Size,* 21 *inches by* 26. Date, 1699.
881. "De Kusten van Malabar en Koromandel." A map of southern India and a part of Ceylon, after De L'Isle and Bruzen la Martinière. *Scale,* 55 *geographical miles to* 1 *inch; size,* 15 *inches by* 15.
882. Chart of the Malabar coast and backwaters, without soundings, showing rice cultivation from River Chetwa to Coylang (Quilon) by Joh. Wilh. de Graaf. *Size,* 19 *inches by* 138. Date, 1767.
883. Another copy, with views of the mountains. Drawn by A. Heidenreich. *Scale,* 3 *geographical miles to* 1 *inch; size,* 17 *inches by* 140.
884. Another copy. *Size,* 25 *inches by* 138.

*** *See also* No. 229.

885. Plan of Vingurla, with a view and plan of the Dutch factory. *Size,* 20 *inches by* 28. Date, 1678.
886. Plan of Barselor (Colloor, or Barkaloor), with a view and plan of the Dutch factory. *Size,* 19 *inches by* 28. Date, 17th century.
887. View of Mangalor, with some soundings in Dutch feet. *Size,* 13 *inches by* 28. Date, 17th century.
888. Plans of the forts of Cananor, Cranganor, and Coylan, with a view and plan of the Dutch factory at Calikoilan. *Size,* 21 *inches by* 28. Date, 1678.
889. Plan of the Fort of Cannanoor, with a Section of the Fortifications. By H. G. Faarant, Ensign. *Size,* 20 *inches by* 29. Date, 1696.
890. Two Plans for altering the Fort of Cannanoor. By Captain E. Paravicini de Capelli and Lieutenant N. Guyard, both of the Dutch Engineers. *Size,* 22 *inches by* 34. Date, 1767.
891. Plan for altering the Fort of Cannanoor. No. 2. By C. A. Luepken and C. P. Keller. *Size,* 22 *inches by* 33. Date, 1767.
892. Plan of the Fort and Rivers of Cranganor, with views. *Size,* 20 *inches by* 29. Date, 1678.
893. Plan of the Fort of Cranganor, with a Section of the Fortifications. By H. G. Faarant, Ensign and Engineer. *Size,* 17 *inches by* 21. Date, 1678.

894. Plan of the fortified town of Cochin and Fort Orange, on the Vypeen; with a project for a Fort. By M. E. Proot. *Size,* 28 *inches by* 58. Date, 1663.
895. Plan of Cochin, with a project for its fortification. *Size,* 20 *inches by* 28. Date, 1663.
896. An Isometrical Plan of Cochin. *Size,* 21 *inches by* 29. Date, 1677.
897. Plan of Cochin and Fortifications, with Maps of Travancore and Madura, and of Cranganore River. *On* 2 *sheets mounted together. Size,* 13 *inches by* 17. Date, 1680.
898. Plan of Cochin. *Size,* 20 *inches by* 28. Date, 1691.
899. Plan of Cochin, with Section of Fortifications. By Sergeant H. G. Faarant. *Size,* 21 *inches by* 29. Date, 1696.
900. Plan of the Fortifications of Cochin. No. 1. By W. O. Massenfeld and D. Zynen, Captain and Lieutenant of Engineers. *Size,* 21 *inches by* 43. Date, 1765.
900. Plan, Section, and Elevation of projected Work for the town of Cochin. *Size,* 21 *inches by* 29.
900. Sections of the Coast of Cochin, with high and low water Levels. *Size,* 20 *inches by* 56.
901. Plan for the Fortification of Cochin. By D. Zynen. *Large scale; size,* 42 *inches by* 63. Date, 1767.
903. Plan of Projects for fortifying Cochin. By E. Paravicini de Capelli and N. Guyard, Captain and Lieutenant of Engineers. *Size,* 55 *inches by* 51. Date, 1767.
904. Plan for the Fortification of Cochin. *Size,* 44 *inches by* 68. Date, 1767.
905, 6. Plans of the Fort of Cochin. By the surveyor, Carl von Krause. *Size,* 19 *inches by* 30. Date, 1782.
907. Plan of the Fort and Environs of Cochin. By A. A. Buiskes. *Size,* 26 *inches by* 28. Date, 18th century.
908. Plan of portions of the Fortifications of Cochin, with proposed alterations. By Reimer, Major of Engineers. *On* 4 *sheets.* Date, 18th century.
909. Plan of Fortifications for Cochin. Designed by Major Reimer; drawn by Heidenreich. *On* 4 *sheets.* Date, 18th century.
910. Plan of the Fortifications of Cochin. After a sketch by Major Reimer; drawn by Baron von Lynden. *Size,* 19 *inches by* 34.
911. Two Maps of the Island of Vypeen, with Redoubts and Batteries. By F. C. Heupner. *Size,* 14 *inches by* 21. Date, 1798.
912. Plan of the Fortress of Coylan (Quilon). By Hans George Faarant and L. N. van Duyrendaal. *Size,* 20 *inches by* 29. Date, 1687.
913. Plan and Section of Works in the Fortress of Coylan (Quilon). *On* 2 *sheets. Size of each,* 20 *inches by* 28. Date, 1703.
914. Plan of a projected Factory in Coylan. *Size,* 13 *inches by* 16. Date, 1766.
915 to 922. Eight Plans of Military Posts in Malabar (to accompany the Report of the Expedition of Sergeant-Major Hans Frederick Bergman), as follows:—
    Padricotta Parri, Edatouritti, Maparany, Chettuwa, Poedoecoenatte, Aynamaka, Papenette, and Poetenbare.
923. A Map of the Island of Ceylon. By J. C. Toorzee, Engineer. 17th century.



5. MAPS OF THE RIVERS AND CANALS OF INDIA.

(*a.*) WITH OUTLETS AT THE HEAD OF THE BAY OF BENGAL.

THE GANGES RIVER.

Tassin's Atlas of the Ganges, 1835.

Maps of the Rivers HOOGLY, BHAGRUTTEE, JELLINGHEE, GANGES, and JUMNA from Calcutta to the Himalaya range. Compiled from the most accurate surveys by J. B. Tassin. Calcutta, 1835. On 7 sheets, with Index map. In 1 vol., oblong 4to., cloth.

THE DELTA.

Tassin's Atlas of the Delta, 1840.

INLAND NAVIGATION in EASTERN INDIA. Chart delineating the river navigation to Assam from the Presidency, by the Soondurbun Passage, as well as by the Jellinghee and Matabhanga rivers; also to Chittagong, Dacca, Mymensing, and Silhet. Compiled from the most authentic materials, in the office of the Surveyor General of India. Lithographed by order of Government, and published with an Index Map, by J. B. Tassin. Calcutta, 1840. *Scale*, 4 *miles to* 1 *inch*. In one vol. large 4to., cloth.

Note.—The following documents have been consulted in the construction of this chart:—

Survey of the Brahmapootra and Jenai, by Captain Wilcox, 1830–31; Unfinished continuation of Brahmapootra Survey, by Lieut. Ommanney, 1831–35; Map of the Jessore Embankments, by Lieut. Fitzgerald, 1824–25; Navigation between the Ganges and Soondurbun Passage, by Lieut. Schalch, 1821; Survey of the Soondurbuns, by Captains W. and E. Morrieson, 1811–18; Survey of the Jellinghee and Matabhanga, by J. S. May, 1828; Chart of the Hoogly and Ganges to Allahabad, by Captain Prinsep, 1828; Survey of the Hoogly, by Captain Lloyd, I.N., 1835–36; Survey between Silhet and Sowara, by Lieut. J. Fisher, 1829; Map of the Soondurbuns, by Lieut. Hodge; Maps of Bengal, by Rennell.

Rennell's Surveys of the Delta, 1876.

1. *The Reduced General Maps.*

A Map of the great RIVER GANGES, from JELENGHEE to its junction with the MEGNA, including its several branches on both sides as far as they have been surveyed; together with the River Megna from Luckipour to the mouth of the Isamuty, and the environs of the city of Dacca. 1767. *Scale*, 3 *miles to* 1 *inch*; *size*, 27 *inches by* 53. MS.

A Map of the DENOSPOUR or RAAGEGUNGE RIVER from its junction with the GANGES to RAAGEGUNGE, containing near 200 miles of the course of the River. Surveyed in 1766 and 1767 by Messrs. Rennell and Richards. *Scale*, 3 *miles to* 1 *inch*; *size*, 13 *inches by* 47. MS.

*** This map is a continuation of the foregoing towards the north-west. The writing is upside down.

2. *Rennell's Original Surveys.*

The GANGES from the JELENGHEE to the MEGNA. *Scale,* 500 *yards to* 1 *inch.* In 14 parts, as follows:—

PART I.

A Survey of the SOUTHERN BANKS of the great RIVER GANGES from the mouth of the JELENGEE towards DACCA, made by order of the Hon. Henry Van Sittart, Esq., Governor of Fort William, &c. By James Rennell, Surveyor. No. 1, from Jelengee to Damadur, containing about 61 English miles. *Scale,* 500 *yards to* 1 *inch*; *size,* 34 *inches by* 75. MS.

PART II.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGEE towards DACCA. No. 2, from Damadure to Custee, in distance 17 statute miles. J. Rennell, Surveyor, 1764. *Scale,* 500 *yards to* 1 *inch*; *size,* 29 *inches by* 41. MS.

PART III.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGEE towards DACCA. No. 3, from Custee to Oddegjea, in distance 20 statute miles. J. Rennell, Surveyor, June 1764. *Scale,* 500 *yards to* 1 *inch*; *size,* 32 *inches by* 62. MS.

PART IV.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGEE towards DACCA. No. 4 and last containing from Oddegeea to Saatpour, in distance 15 statute miles, likewise 7 miles of Maudapour Creek from the head to Maleeat. J. Rennell, Surveyor. N.B.—This, with the other three drafts, contains 83 British statute miles of the great Ganges. June 1764. *Scale,* 500 *yards to* 1 *inch*; *size,* 50 *inches by* 29. MS.

PART V.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER towards LUCKEYPOUR, by J. Rennell, Surveyor. No. 5 containing from Saatpour to Betturey, in distance 26½ statute miles. *Scale,* 500 *yards to* 1 *inch.* Magnetic variation 1° West. *Size,* 30 *inches by* 68. MS.

PART VI.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER towards LUCKEYPOUR, by J. Rennell, Surveyor. No. 6 containing from Betturey to Sauppour, in distance 11½ statute miles. *Scale,* 500 *yards to* 1 *inch.* Magnetic variation 1° West. *Size,* 42 *inches by* 21. MS.

PART VII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to LUCKEYPOUR, by J. Rennell, Surveyor. No. 7 containing from Sauppour to the mouth of Hageagunge Creek, in distance 10 miles and a half. *Scale,* 500 *yards to* 1 *inch.* October 1764. Variation of the magnetic needle from 17′ E. to 50′ W. *Size,* 18 *inches by* 46. MS.

Part VIII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 8 containing from Hagiagunge Creek to Bromgunge, in distance 19½ statute miles. October 1764. *Scale,* 500 *yards to* 1 *inch; size,* 23 *inches by* 65. MS.

Part IX.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 9 containing from Bromgunge to Binetty, in distance 13½ statute miles. November 1764. *Scale,* 500 *yards to* 1 *inch; size,* 49 *inches by* 27. MS.

Part X.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 10 containing from Binetty to Gozarya, in distance 18½ statute miles. *Scale,* 500 *yards to* 1 *inch; size,* 54 *inches by* 21. MS.

Part XI.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 11 containing from Gozarya to Soynary, in distance 14 statute miles. November 1764. *Scale,* 500 *yards to* 1 *inch; size,* 29 *inches by* 21½. MS.

Part XII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 12 from Soynary to Chormodanya Creek, in distance 10 statute miles. November 1764. *Scale,* 500 *yards to* 1 *inch; size,* 21 *inches by* 35. MS.

Part XIII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 13 containing (from the mouth of Chormodanya Creek to the conflux of the Eastern and Western Rivers, and likewise part of Mendygunge Creeks). 8 miles. November, December, 1764. *Scale,* 500 *yards to* 1 *inch; size,* 30 *inches by* 21. MS.

Part XIV.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 14 containing part of the North Channel by Mendygung, &c., in distance 7½ miles from Assyour to Comercally. December 1764. *Scale,* 500 *yards to* 1 *inch; size,* 23 *inches by* 21. MS.

The Megna River, 1876.

1. *Reduced General Map.*

A General Map of the MEGNA and other Rivers, which form the nearest passage from LUCKYPOUR to DACCA in the dry season, including likewise the Creek of Chiddypour or Luricule, which affords a short passage from the Megna to the Ganges. Reduced from the original surveys by J. Rennell, Surveyor. 1765. With a Plan of the British Factory at Dacca on a larger scale. *Size,* 20 *inches by* 27; *scale,* 2 *miles to* 1 *inch.* MS.

2. *The Megna Survey.*

An exact Survey of the RIVER MEGNA from its conflux with the GANGES to CASSEMPOUR, reduced from the original survey to a scale of 2 inches to a statute mile, by J. Rennell, Surveyor. 1765. No. 1 containing the western shore of the Megna from the Ganges to Doycalley Point, in distance 9 statute miles. *Scale,* 2 *inches to* 1 *mile ; size,* 21 *inches by* 23. MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 2 containing from Doycalley Point to Saddoukpour, in distance 19 statute miles. 1765. *Scale,* 2 *inches to* 1 *mile ; size,* 21 *inches by* 43. MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 3 containing from Saddoukpour to Beerackondy, in distance 22 miles. 1765. *Scale,* 2 *inches to* 1 *mile ; size,* 21 *inches by* 43. MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 4 containing from Berackondy to the mouth of the Issamutey River, and the Issamutey to Feringybazar, in distance 15 miles. 1765. *Scale,* 2 *inches to* 1 *mile ; size,* 21 *inches by* 30. MS.

An exact Survey of the RIVERS and CREEKS between FERINGY-BAZAR and DACCA, being a continuation of the rout from Luckypour to Dacca, with exact plans of Iddyracpour and Daapeka Kellas, by J. Rennell, Surveyor. No. 5 and last of the survey containing 15 statute miles. *Scale,* 2 *miles to* 1 *inch ; size,* 21 *inches by* 30. MS.

COMER CREEK. In VI. parts. 1764.

A general Sketch of the EASTERN BRANCH of the COMER CREEK, by J. Rennell, Surveyor. No. 1, from the head near Motrapour to Cardya, in distance 41 miles. July 1764. *Scale,* 1 *inch to* 1 *mile ; size,* 14 *inches by* 16. MS.

A general Sketch of the EASTERN BRANCH of COMER CREEK, by J. Rennell, Surveyor. No. 2, from Cardya to the Ganges, in distance by the Creek, 45 miles. July 1764. *Scale,* 1 *inch to* 1 *mile ; size,* 15 *inches by* 21. MS.

No. 3 is wanting.

No. 4. A Survey of that part of COMER CREEK which unites the northern part of the BURRASHE and BURRASAAT with part of the Burrasaat, containing 16 British miles. July 1764. *Size,* 37 *inches by* 20. MS.

No. 5. A general Sketch of the WESTERN BRANCH of COMER CREEK, from the head of the Burrasaat eastwards, to LUCKEYPOUR westwards. With the depths of water in the dry season, particularly described by J. Rennell, Surveyor. *Size,* 15 *inches by* 21. MS.

No. 6. A general Sketch of the navigable part of the NORTH-WEST BRANCH of COMER CREEK, including the parts known by the names of the Lettydoman, Culsedaw, and Bacout Creeks, and containing near 21 British miles, by J. Rennell, Surveyor. July 1764. *Scale,* 2 *inches to* 1 *mile ; size,* 12 *inches by* 28. MS,

Maudapour Creek. In III. parts. 1764.

The first part is in Rennell's Ganges, Part 4.

Survey of MAUDAPOUR CREEK, No. 2, from MALEEAT to SERAMPOUR, distance 20½ statute miles, by J. Rennell, Surveyor. June, July, 1764. *Scale,* 500 *yards to* 1 *inch; size,* 38 *inches by* 28. MS.

Survey of MAUDAPOUR CREEK, No. 3, from SERAMPOUR to the head of the BURRASHE, in distance 18 British miles. J. Rennell, Surveyor. July 1764. *Scale,* 500 *yards to* 1 *inch; size,* 21 *inches by* 23. MS.

Custee Creek, 1764.

A particular Plan of CUSTEE CREEK from the head to the bar, surveyed 9th June 1764, by J. Rennell, Surveyor. *Size,* 12 *inches by* 17. MS.

Chiddypour Creek, 1765.

A Map of CHIDDYPOUR or LURICULE CREEK, which runs across the country from the Ganges to the Megna, and lies in the direct road from Sunderbound to Dacca. 1765. By J. Rennell. *Scale,* 2 *inches to* 1 *British mile; size,* 15 *inches by* 21. MS.

Luckya River, 1765.

A general Map of the LUCKYA RIVER, from its separation from the Baramputrey to its conflux with the Issamuty and Megna, with Noranda Creek and the environs of the city of Dacca. 1765. By J. Rennell. *Scale,* 3 *miles to* 1 *inch; size,* 15 *inches by* 21. MS.

Bally Creek.

Survey of BALLY CREEK, by J. Rennell, Surveyor. Without title. *Scale, about* 500 *feet to* 1 *inch; size,* 12 *inches by* 20. MS.

The Ganges, &c. Wilford's Observations.

FIELD BOOK of a SURVEY undertaken to find the Difference of Level between the GANGES and BOGRUTTY RIVERS. Observations on the Ganges, Cossimbazar, and Jellinghee Rivers. No date. Signed F. Wilford, Lieut. Surveyor. On 13 pages, 4to. stiff cover. MS.

OBSERVATIONS on the GANGES, COSSIMBAZAR, and JELLINGHEE RIVERS. Signed F. Wilford, Lieut. of Engineers and Surveyor. No date. On 9 pages, foolscap.

Channel Creek, 1770 *and* 1788.

A Copy of CHANNEL CREEK from George's Point to the Sea, taken from Mr. Lacam's Survey Plan (1770). Showing how far it differs from what the channel is at present, inasmuch as the soundings and judgment of the gentlemen of the Deputation could determine, between the 4th and 15th of October 1788. The copy is drawn in black; the present state of the channel is in red. Signed James Caldwell, Lieut. of Engineers. *Scale,* 2 *inches to* 1 *nautical mile; size,* 98 *inches by* 38. MS.

The Hooringottah Rivers by Ritchie.

Survey of HOORINGOTTAH and MUDOMUTY Rivers. No title. Surveyed in the years 1768 and 1769, by John Ritchie. *Size,* 47 *inches by* 16. MS.

Mutlah River.

No. 1. Plan of Part of the RIVER MUTLAH (near Canning Town, with Soundings). *Scale,* 1000 *yards to* 1 *inch; size,* 15 *inches by* 13. On tracing cloth. MS.

No. 2. Plan showing a Part of the RIVER MUTLAH at Port Canning, the bank of which requires protection immediately. Taken from the survey made by Messrs. Sieveking and Downes in 1836. Calcutta, 1866. *Scale,* 400 *feet to* 1 *inch; size,* 20 *inches by* 26.

No. 3. Section of River at PORT CANNING. *See* Plan No 1. *Scale,* 100 *feet to* 1 *inch; size,* 28 *inches by* 37. On tracing cloth. MS.

No. 4B. Design of Quay Wall suggested in Report. *Size,* 20 *inches by* 26.

No. 5. Section at Railway Jetty.

The Hooghly River.

A Draught of HOOGLY RIVER from CALCUTTA to BALASORE ROAD, CHANNEL CREEK, &c., to MUTTWALL RIVER. 1767. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 28. MS.

A Plan of the OUTLET of the RIVER HUGHLY from CULPEE downward, as it was surveyed in the year 1770 by John Ritchie, Surveyor. *Scale* 2 *miles to* 1 *inch; size,* 36 *inches by* 22. MS.

A Plan of the MOUTH of the HOOGLY RIVER, surveyed by John Ritchie, 1770. *Scale,* 2 *miles to* 1 *inch; size,* 36 *inches by* 26. MS.

A Plan of the ENTRANCE of HOOGLY RIVER, particularly distinguishing the NEW CHANNELS and the position of the BUOYS, March 1783. By J. Ritchie. *Scale,* 1 *mile to* 1 *inch; size,* 36 *inches by* 56. MS.

Plan of THORNHILL'S CHANNEL, so named by the Marine Board after Cudbert Thornhill, Esq., M.A.H., under whose directions it was surveyed, March 1807. *Scale,* 1 *mile to* 1½ *inch; size,* 27 *inches by* 48. MS.

THORNHILL'S CHANNEL from the latest Survey executed by Lieut. J. S. Criddle, Second Assistant to the Marine Surveyor in March 1818. *Scale,* 2 *miles to* 1 *inch; size,* 16 *inches by* 18. MS.

A Survey of LACAM'S CHANNEL, from the lower part of Earl of Moira's Harbour to Sea, by Lieut. W. Maxfield, First Assistant to Marine Surveyor General, 1816. *Scale,* 2 *inches to* 1 *mile; in* 3 *parts.*

A Survey of CHANNEL CREEK, from Frederick Point to Earl Moira's Harbour, by Lieut. William Maxfield, First Assistant to Marine Surveyor General, 1816. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 54. MS.

A Trigonometrical SURVEY of the RIVER HOOGLY, from Calcutta to Kulpee, by Commander Rd. Lloyd, I.N., Officiating Marine Surveyor General, 1835. Sheet I. *Scale,* 2 *inches to* 1 *nautical mile; size,* 53 *inches by* 63. MS.

A Trigonometrical SURVEY of the RIVER HOOGLY, from Diamond Point to Sauger Point, by Commander Rd. Lloyd, I.N., Officiating Marine Surveyor General, 1835 and 1836. Sheet II. *Scale,* 2 *inches to* 1 *nautical mile; size,* 53 *inches by* 76. MS.

TOPOGRAPHICAL SURVEY of the RIVER HOOGLY, from Bandel to Garden Reach, exhibiting the principal buildings, ghauts, temples, &c. on both banks, and comprising the Danish settlement of Serampoor, cantonments and park of Barrackpoor, together with the settlements of Chinsurah, Chundunnuggur, and environs of Hoogly. With the great road from Calcutta to Hooghly, viâ Palta Ghaut. Executed in the year 1841. By Charles Joseph, Calcutta, 1841. *Scale, 4 miles to* 1 *inch ; size,* 9½ *feet by* 2¼.

Map of the RIVER HOOGLY, with a Design for a Steam Ferry Bridge for connecting its shores at Calcutta. To accompany a private Report by A. Henderson, Esq., and Charles Greaves, C.E. *Size,* 20 *inches by* 30.

Map of the HOOGLY, with the City and Port of Calcutta, showing the site of the proposed Docks, the present anchorage and moorings and the line of railway to the north and west. By A. Henderson and Charles Greaves. 1853. *Scale, about* 1900 *feet* 1 *to inch ; size,* 17 *inches by* 22.

Plan of the RIVER HOOGHLY with Seebpoor, Howrah, Sulkeah, and Ghoosree. Surveyed in July and August 1856 by Seetaram Misser, Native Assistant Surveyor of the 4th Division, Lower Provinces. Under the superintendence of Major H. L. Thuillier, Deputy Surveyor General. *Scale,* 14 *inches to* 1 *mile ; size,* 76 *inches by* 51. MS.

*** *See also,* Chart of the River Hoogly, Calcutta Meridional Series, p. 21.

REPORT on the RIVER HOOGHLY, by Hugh Leonard, C. E., Bengal, 1865. With plans to accompany the Report. In two parts. Fcap., printed cover.

The ENTRANCES to the HOOGHLY (combining the Surveys of Capt. Lloyd, 1835, Lieut. Heathcote, 1857, and Mr. Obbard, 1860. Reduced and copied by R. F. Barlow, May 1861. With notes. *Scale,* 2 *nautical miles to* 1 *inch ; size,* 29 *inches by* 22. MS.

The LOWER SECTION of the HOOGLY. By C. R. Markham, July 1865. A Comparison of Ritchie's Survey in 1768–70 with Lloyd's in 1836, Bedford's in 1854, and the latest survey in 1864; with proposed works. *Scale,* 1000 *yards to* 1 *inch ; size,* 20 *inches by* 25. MS.

Proposed Tug Steamer and Tubular Rake for the Improvement of the RIVER HOOGLY. By R. Napier & Sons. Glasgow, Feb. 1865. Five tracings in MS.

Nos. 1, 2, 3. Proposed iron paddle tug steamer, detail drawings. *Scales,* ¼ *inch and* ½ *inch to* 1 *foot.*

No. 5. Sketch of proposed Tubular Rake. *Scale,* 1 *inch to* 1 *foot ; size,* 16 *inches by* 18.

No. 6. Sketch of proposed machine to be used for stirring the surface of shoals by the action of the current. *Scale,* 1 *inch to* 1 *foot ; size,* 9 *inches by* 16.

SURVEY of the RIVER HOOGLY from CALCUTTA to KULPEE. Corrected up to date from Recent Surveys. By F. Laycock, River Surveyor, Calcutta, 15th February 1870. Sheet (*or* Part) No. 1, in 4 sheets. *Scale,* 1000 *yards to* 1 *inch.*

SURVEY of the RIVER HOOGLY from KULPEE to the SANDHEADS. Corrected up to date from Recent Surveys. By F. Laycock, River Surveyor, Calcutta, 15th February 1870. Sheet (*or* Part) No. 2, on 3 sheets. *Scale,* 2000 *yards to* 1 *inch.*

The ENTRANCE of the RIVER HOOGHLY from the EASTERN CHANNEL LIGHT SHIP to SANGOR LIGHT HOUSE. Surveyed, January and February, 1874. By F. Laycock, River Surveyor. *Scale*, 2000 *yards to* 1 *inch*.

DIAGRAM to show Character of Shipping arriving at Calcutta, 1852–1863. To accompanying Mr. Leonard's Report on the Hooghly, No. 12. On tracing paper. *Size*, 14 *inches by* 12. MS.

DIAGRAM to illustrate Arrival and Losses of Ships and Tonnage at Calcutta. 1835–1863. No. 13. On tracing cloth. *Size*, 10 *inches by* 6. MS.

Calcuttà Canals.

Map of the CIRCULAR and TOLLY'S CANALS from the Hooghly to their junction at Saumookpotha. With their Tributary streams, Toll houses, and Mutlah. *Scale*, 1 *mile to* 1 *inch*; *size*, 37 *inches by* 16. On tracing cloth. MS.

Canal Department. Tracing from a Plan of a Portion of the CIRCULAR CANAL (Calcutta), showing the position of the site selected as the most suitable for the formation of Basins. January 1857. *Scale*, 10 *chains to* 1 *inch*; *size*, 13 *inches by* 37. MS.

Canal Department. Plan of CIRCULAR CANAL, showing sites and position selected for the Basins or Wet docks, also Transverse Section, of the proposed dimensions. May 1857. *Scale*, 8 *inches to* 1 *mile*; *size*, 12 *inches by* 35. On tracing cloth. MS.

The NEW CANAL, CALCUTTA, from the Hooghly to Dhanpa, where it meets the Circular Canal. Dated, May 1857. Plans numbered 1, 2, 3. On tracing cloth. MSS.

No. 1. Tracing from a Plan of Calcutta, showing the relative positions of the Circular and New Canals. *Scale*, 8 *inches to* 1 *mile*; *size*, 30 *inches by* 37.

No. 2. Sections in line of proposed basins. *Scales*, *various*; *size*, 28 *inches by* 23.

No. 3. Sections in line of proposed cut to connect the Circular with the New Canal at Ooltadangah. *Scales*, *various*; *size*, 14 *inches by* 36.

Sketch of LOCK GATES, with Sluices. *Scale*, 3 *feet to* 1 *inch*; *size*, 12 *inches by* 17. On tracing cloth. MS.

Calcutta and Eastern Canals.

Sketch Map illustrative of the works authorised and proposed on the CALCUTTA and EASTERN CANALS, and of the different places along their lines. 1859. P. W. D. Pro., 15th September 1859, No. 126. *Size*, 16 *inches by* 25. MS.

CIRCULAR and EASTERN CANALS and ACRA DIVISION Cross Sections on the BALLIAGHATTA CANAL. Calcutta, 1865. *Size*, 20 *inches by* 21.

Salt Water Lakes, Calcutta.

Map of the SALT WATER LAKE, TARDA JUNGLE, and of the surrounding lands. Prepared for the use of the Salt Water Lakes Reclamation and Irrigation Company, Limited, at the Office of the Surveyor-General of India, 1865. *Scale*, 4 *inches to* 1 *mile*; *size*, 42 *inches by* 64.

Map showing the LAND applied for by the SALT WATER LAKE COMPANY, S.G.O. CALCUTTA, 1865. *Scale,* 4 *inches to* 1 *mile; size,* 42 *inches by* 46.

SALT WATER LAKES. Statement of Comparative Levels by Major Schalch, and Captains Thompson and Prinsep, also Messrs. Clark and O'Flaherty, Calcutta, 1865. *Size,* 25 *inches by* 20.

Outline Trace from a Map of part of the REVENUE SURVEY of the CALCUTTA LAND, supposed to be surveyed by Captain Claud Martin in 1760 or 1764. Calcutta, 1865. *Scale,* 1 *mile to* 1 *inch; size,* 25 *inches by* 20.

Maugrah Canal.

Map showing the line of a CANAL from MAUGRA on the NABOGUNGAH RIVER to JOGPOOR on the Hooglee, together with some works for improving the navigation of the Matabhangah River. By John Stuart May, Superintendent Nuddeah Rivers, August 1834. *Scale,* 2 *miles to* 1 *inch; size,* 70 *inches by* 50. MS.

FIELD BOOK of the TOPOGRAPHICAL SURVEY of the MAUGRAH CANAL. By John Stuart May, Superintendent Nuddeah Rivers. 1835–36. Fcap. folio, half-bound. MS.

DESCRIPTION of the STRATA found in the WELLS dug along the line of the MAUGRAH CANAL between the Nabogungah and the Kubbudduk Rivers. (Signed John S. May, Superintendent Nuddeah Rivers.)

DESCRIPTION of the STRATA found in the WELLS dug along the line of the MAUGRAH CANAL, between the Kubbudduk and Hooghlee Rivers. (Signed John S. May, Superintendent Nuddeah Rivers.) No date. Fcap., paper cover. MS.

Maugrah Canal Sections.

No. 1. Section exhibiting the Levels of the country between the village of MAUGRAH on the NOBOGUNGAH RIVER and GOOGGEE on the RIVER HOOGHLEE. Prepared under the orders of Government from a survey executed during the years 1835–36, 1836–37, by John Stuart May, Superintendent of Nuddeah Rivers. *Horizontal scale,* 17·6 *miles to* 1 *inch; size,* 9 *inches by* 16 *yards.* MS.

No. 1, continued. *Size,* 9 *inches by* 16 *yards.* MS.

No. 2. Same title. *Scale, reduced to* 8·8 *inches to* 1 *mile; size,* 9 *inches by* 16 *yards.* MS.

No. 3. Section exhibiting the Levels of the country through which it is proposed to lead the MAUGRAH CANAL. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Horizontal scale,* 4 *inches to* 1 *mile; size,* 7 *inches by* 7 *yards.* MS.

No. 4. Section exhibiting the appearance of the STRATA found in several WELLS, excavated along the line of the proposed MAUGRAH CANAL, during the years 1835 and 1836. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size,* 5 *inches by* 6 *yards.* MS.

No. 5. Section and Plan exhibiting the number of LOCKS, FLOOD-GATES, and DAMS required for the MAUGRAH CANAL: Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size,* 4 *inches by* 68. MS.

No. 7. Section exhibiting the relative Heights of the several RIVERS and NULLAHS which will intersect the proposed MAUGRAH CANAL. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size,* 7 *inches by* 47. MS.

Rajmahal Canal.

RAJMAHAL CANAL. Sections showing the nature of the soil in the neighbourhood of the line; 1 sheet.

Longitudinal section; section showing the lockage during the wet and dry seasons, and transverse sections; 1 sheet.

Longitudinal section; sheets 1 to 7. *Scale,* 12 *inches to* 1 *mile.*

Rajmahal to Goomanee, sheets 1 to 6; Goomanee to Jungypore, sheets 7 to 19; Jungypore to Moorshedabad, sheets 20 to 27; Moorshedabad to Adji, sheets 28 to 40; Adji to Mirzapoor, sheets 41 to 47. In all, 56 sheets, size of each, 40 inches by 27.

Damooda and Hooghly Canal.

The line of the DAMOODA and HOOGHLY CANAL and Areas irrigated. With a section of the Canal. Copied (on sheets of the Indian Atlas) from Sheet 1 of the original plans. 1870. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 39.

THE GANGES ABOVE THE DELTA.

Rennell's Survey, 1767. Imperfect.

GANGES, No. 2. Surveyed in June 1767. (By J. Rennell, Surveyor.) *Scale,* 2 *inches to* 1 *mile; size,* 32 *inches by* 21. MS.

*** About 15 miles of the river, above and below Colgong.

Tiefentaller's Map, 1784.

Carte Générale du COURS du GANGE et du GAGRA dressée sur les cartes particulieres du P. Tiefentaller, J. Missionnaire Apostolique dans l'Inde, par M. Anquetil du Perron, de l'Acad. Rle. des Inscriptions et Belles Lettres Interprète du Roi pour les langues Orientales. A Paris, 1784. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 30.

Colebrooke's Survey, 1796. Imperfect.

No. 3. Survey of the RIVER GANGES from the mouth of the COSSIMBAZAR RIVER to COLGONG, taken in December and January 1796–97, by Captain R. H. Colebrooke, Surveyor-General. *Scale,* 1 *mile to* 1 *inch; size,* 69 *inches by* 25. MS.

*** *See also* Hodgson's Map of the Ganges, Nos. 8, 9.

Wood's Survey, 1800. Hurdwar to Allahabad. In 7 parts.

Part 1. Survey of the RIVER GANGES from HURDWAR to NAHGUL, taken in the month of February 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Size,* 51 *inches by* 21. MS.

Part 2. Survey of the RIVER GANGES from NAHGUL to RAMGHAUT, pointing out the various ghauts, fords, &c.; likewise of the country on the eastern bank for a considerable extent inland. Taken in the months of February and March 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 112 *inches by* 37. MS.

Part 3. Survey of the RIVER GANGES from RAMGHAUT to KAHDIRGUNGE, taken in the month of March 1800. By Lieutenant Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 29 *inches by* 47. MS.

Part 4. Survey of the RIVER GANGES from KAHDIR GUNGE to FUTTEH GHUR, taken in the month of April 1800. By Lieutenant Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 39 *inches by* 40. MS.

Part 5. Survey of the RIVER GANGES from FUTTEH GHUR to CAUNPOOR, taken in the month of April 1800. By Lieut. Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 66 *inches by* 50. MS.

Part 6. Survey of the RIVER GANGES from USSNEE to CAUNPOOR, taken in the month of January 1802. By Captain Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 34 *inches by* 38. MS.

Part 7. Survey of the RIVER GANGES from ALLAHABAD to USSNEE, taken in the month of January 1802. By Captain Thomas Wood, Corps of Engineers. *Scale,* 1 *inch to* 1 *mile; size,* 80 *inches by* 19. MS.

Wood's Survey reduced. In 5 parts.

No. 1. Survey of the RIVER GANGES from HURDWAR to NAHGUL, taken in the month of February 1800, under the immediate instructions of Major-General Sir J. H. Craig, K.B., Commanding the Army in the Field. By Lieut. Wood, Corps of Engineers. *Scale,* 2 *miles to* 1 *inch; size,* 27 *inches by* 15. MS.

No. 2. Survey of the RIVER GANGES from NAHGUL to RAM GHAUT, pointing out the various ghauts, fords, &c.; likewise of the country on the eastern bank for a considerable extent inland. Taken in the months of February and March 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Scale,* 2 *miles to* 1 *inch; size,* 62 *inches by* 23. MS.

Nos. 3 and 4. Survey of the RIVER GANGES from RAMGHAUT to FUTTEHGHUR, taken in the months of March and April 1800. By Lieut. T. Wood, Corps of Engineers. Reduced by C. Tetley. *Scale,* 2 *miles to* 1 *inch; size,* 50 *inches by* 23. MS.

No. 5. Survey of the RIVER GANGES from FUTTEHGHUR to CAUNPOOR, taken in the month of April 1800. By Lieut. T. Wood, Corps of Engineers. Reduced by C. Tetley. *Scale,* 2 *miles to* 1 *inch; size,* 33 *inches by* 26. MS.

Copy on a reduced scale (including Parts 1, 2, 3, 4) of a Survey of the RIVER GANGES and COUNTRY ADJACENT, from FUTTEH GHUR to HURDWAR, made in the year 1800, by Lieut. T. Wood, of the Bengal Engineers. *Scale,* 4 *miles to* 1 *inch; size,* 48 *inches by* 29. MS.

A portion of the RIVER GANGES between FUTTEHGHUR and CAUNPOOR, from Col. Wood's (Engineers) Survey. Reduced from Part 5. *Scale*, 4 *miles to* 1 *inch; size*, 17 *inches by* 8. MS.

Webb's Route Survey of the Sources of the Ganges and Jumna, 1810.

Survey to GANGOTRI, by Lieut. Webb, 1810. The General Map. *Scale*, 24 *miles to* 1 *inch; size*, 18 *inches by* 13. MS.

The same on the scale of 1 inch to 1 mile; in 12 sheets of various sizes. No title. MS.

Hodgson's Map of the Ganges, 1828.

(The following sheets are parts of a series designed to include the various surveys of the Ganges in a uniform style, under the direction of Colonel Hodgson, Surveyor-General in 1828.)

No. 8. Survey of the RIVER GANGES, from BHERYAH to CHUNARGUR, taken in the month of November 1801, by Major R. H. Colebrooke, Surveyor-General. Copied in the Surveyor-General's Office, Calcutta, in November 1828, for the Honble. Court of Directors. *Scale*, 1 *inch to* 1 *mile; size*, 27 *inches by* 99. MS.

No. 9. Survey of the RIVER GANGES, from CHUNARGUR to ALLAHABAD, taken in the month of December 1801, by Major R. H. Colebrooke, Surveyor-General. Copied in the Surveyor-General's Office, Calcutta, in October 1828, for the Honble. Court of Directors. *Scale*, 1 *inch to* 1 *mile; size*, 28 *inches by* 74. MS.

No. 10. Survey of the RIVER GANGES, from ALLAHABAD to USSNEE, taken in the month of January 1800, by Captain Thomas Wood, Corps of Engineers. Copied in the Surveyor-General's Office, Calcutta, in November 1828, for the Honble. Court of Directors. *Scale*, 1 *inch to* 1 *mile, size*, 25 *inches by* 84. MS.

Prinsep's Gangetic Atlas, 1829.

An Atlas of the GANGES and its OUTLETS, from ALLAHABAD to CALCUTTA, accompanying a letter from Mr. Secretary Prinsep, dated 22nd September 1829. No general title. In 1 Vol. Oblong folio. Half-bound.

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1. The River Ganges, from Allahabad to Mohungunje. In 6 plates, as corrected from the old surveys of Major R. H. Colebrooke, dated 1801, to its present course. By Thos. Prinsep, Capt. Engineers, in Sept.–Oct. 1828. *Scale*, 2 *miles to* 1 *inch.*
2. The River Bhagruttee. Compiled from the surveys of Major R. H. Colebrooke, J. S. May, Esq., and Capt. Fitzgerald, Engineers, exhibiting its present appearance in Sept.–Oct. 1828. By Thos. Prinsep, Capt. Engineers. *Scale*, 2 *miles to* 1 *inch.*
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4. The River Jellenghee. From a survey executed in the year 1828. By J. S May, Esq,, Superintendent of Nuddya Rivers. *Scale*, 2 *miles to* 1 *inch.*
5. The River Metabhunga. From a survey executed by J. S. May, Esq., Superintendent of Nuddya Rivers, 1827. *Scale*, 2 *miles to* 1 *inch.*

6. The River Ganges, from Mohungunj to Rajapoor, or from the mouth of the Bhayruttee to the mouth of the Matabhunga. From a survey executed by J. S. May, Esq., Superintendent of Nuddya Rivers. *Scale, 2 miles to 1 inch.*

In the same cover,—

1. Notes to accompany the Charts of the Ganges. (By Capt. Prinsep, H. C. Engineers, 1828.) 8vo., 40 pages, sewed.
2. Précis of Reports, Opinions, and Observations on the Navigation of the Rivers of India by Steam Vessels. London, 1831. (By Lieut. James H. Johnson, R.N., commanding Hon. Company's Steam Vessels. 31 pages demy 8vo., sewed.

Ganges Navigation. 1845–50, 55.

Journal of an EXPERIMENTAL VOYAGE up the GANGES, on board the Honourable Company's Steamer Megna, J. Digney, Commander. July to September, 1845. Printed by Order of Government. Calcutta, 1846. Fcap., paper cover.

Documents regarding the NAVIGATION of the GANGES from ALLAHABAD to REVULGUNGE at the Mouth of the Gogra. Fcap., bound together in paper cover.

1. Report upon the Ganges River, with suggestions for improving its navigation. By F. H. Simms, Esq.
2. The Causes of the Impediments met with by up-country Steamers in March and April, and how to be obviated. By Capt. A. H. E. Boileau, Engineer.
3. Remarks on Report No. 1. By Capt. W. M. Smyth.
4. Memorandum on the Improvement of the Navigation of the Ganges between Allahabad and Revelgunge. By E. A. Reade, Esq., Commissioner of Benares Division.
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6. On the Difficulties of Navigating the Ganges, with maps and plans. By Capt. W. M. Smyth, Engineer.
7. On the Navigation of the Ganges, and the Removal of Obstructions therein. By E. A. Reade, Esq.
8. Remarks on Reports and Improvements on the Ganges between Allahabad and Revelgunge.
9. Instructions by the Commissioner of Benares to the River Inspector for ascertaining the Traffic of Boats with accuracy.
10. Abstract of the Register of Boats proceeding upwards, from July 1st 1847 to June 30th 1848, within the Benares Division.
11. Operations for the Improvement of the Navigation of the Ganges from Revelgunge to Allahabad, during the season 1849–50. Calcutta, 1851. Fcap., paper cover.

A Draught for Building an IRON STEAM FERRY BOAT for use on the RIVER GANGES at BENARES. To accompany letter No. 92 of 3rd October 1855, from the Chief Superintending Engineer of the Kidderpore Steam Foundry. *Size, 26 inches by 64.* MS. tracing.

Lower Provinces Revenue Survey, 1863 *to* 1869.

GANGES RIVER SURVEY. Sheet No. 1. Portions of Rivers Gunduck, Gogra, and Ganges, from the limits of District Goruckpoor, N. W. P. on the West, to the city of Patna on the East. 1863 to 1865.

Sheet No. 2. Portion of Ganges River, 1865 to '67. (Continuation from Patna to Rajmahal.)

Sheet No. 3. Portions of Rivers Ganges and Jumoona. 1867 to '69. (Continuation from Rajmahal to Goalundo.)

Ganges Canal.

Report of the SPECIAL COMMITTEE appointed to examine the project of the GANGES CANAL. Dated February 1842. Printed at Calcutta 1845. Fcap., paper cover.

Another edition printed at Agra 1842. Crown 8vo., yellow cover.

Report on the GANGES CANAL from HURDWAR to CAWNPORE and ALLAHABAD. (By Captain P. J. Cautley.) Printed by Order of Government. Calcutta, 1845. Fcap., paper cover.

Report on the GANGES CANAL WORKS, from their commencement until the opening of the Canal in 1854. By Colonel Sir Proby T. Cautley, K.C.B., F.R.S., late of the Bengal Artillery, Honorary Member of the Asiatic Society of Bengal, and late Director of the Ganges Canal Works. Plans. Printed by order of the Secretary of State for India in Council. London: 1860. Sixty-six Plates, in one volume, folio, half-bound.

Report by Captain J. Crofton, R.E., on MEASURES to be taken in REMODELLING the GANGES CANAL, with Appendices and Estimates. Maps (one) and Plans (LIX. including the Map), in a separate cover. 1864. Foolscap folio, in stiff covers.

Also, the coloured Drawings from which the Plans were lithographed, in 63 sheets, imperial folio. MS.

GANGES CANAL. A disquisition on the Heads of the Ganges and Jumna Canals, North-West Provinces, in reply to strictures by Major-General Sir Arthur Cotton. By Col. Sir Proby T. Cautley, K.C.B. London, 1864. Octavo, boards.

Lower Ganges Canal.

No. 1. Index Map, showing the course of all CHANNELS and DISTRIBUTARIES, existing and proposed. *Scale*, 4 *miles to* 1 *inch*; *size*, 36 *inches by* 82. On tracing cloth. MS.

No. 4. Survey of the GANGES KHADIR, in the neighbourhood of Rajghat. *Scale*, 4 *inches to* 1 *mile*; *size*, 12 *feet by* 45. On tracing cloth. MS.

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No. 34. Project for the LOWER GANGES CANAL, Weir across the Ganges. *Scale*, 15 *feet to* 1 *inch*; *size*, 36 *inches by* 58. On tracing cloth. MS.

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A Map of the DOOAB CANAL. Surveyed by James Tod, Lieut. and Surveyor, 1810. *Scale*, 4 *miles to* 1 *inch*; *size*, 31 *inches by* 11. MS.

Survey Plan of the DOOAB CANAL, executed during the reign of Mahommed Shah, A.D. 1733, by James Tod, Lieut. Surveyor, and attached to the Residency at Sindia's Court. Dec. 1st, 1810. Copied from the original map in the Surveyor-General's Office, Calcutta, Dec. 6th, 1822. In two parts. *Scale*, *about* 1¼ *miles to* 1 *inch*; *size*, 54 *inches by* 300. MS.

Notes and Memoranda on the EASTERN JUMNA or DOAB CANAL, NORTH-WEST PROVINCES. Feb. 12, 1845. (By Capt. P. J. Cautley.) Fcap., paper cover.

Sketch Map of the DOAB CANAL showing the existing Rajbuhas and the extension proposed for the completion of the Rajbuha System on that canal. Signed by Major W. E. Baker and Lieut. R. Baird-Smith. Date about 1844. *Scale*, 4 *miles to* 1 *inch*; *size*, 39 *inches by* 12.

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General Map of the proposed SYSTEM of CANALS to water the DOAB between the Ganges and Ramgunga Rivers. 24th March 1870. *Scale*, 8 *miles to* 1 *inch*; *size*, 25 *inches by* 18. On tracing cloth. MS.

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Map of PROPOSED CANALS for irrigating land between the Guggur River and Nujufghur Jeel. *Scale*, 8 *miles to* 1 *inch*; *size*, 20 *inches by* 28. On tracing cloth. MS.

NUJJUFGHUR JHEEL DRAINAGE SCHEME. General Plan. 1871. *Size*, 25 *inches by* 36. On tracing cloth. MS.

Plan No. 17. Special Works Division, W. JUMNA CANALS, SIRSA BRANCH. Rough Plan, showing Alignments proposed for Supply Channel. 1870. *Scale*, 1 *inch to* 1 *mile*; *size*, 36 *inches by* 56. On tracing cloth. MS.

The Gogra River, a branch of the Ganges.

Webb's Survey, 1809. *In* 3 *Sheets.*

No. 1. Survey of the SURDAH, or GOGRA RIVER, from CHEONTEEA TO SYNDPOOR, by Lieut. W. S. Webb. 1809. *Scale*, 1 *inch to* 1 *mile*; *size*, 21 *inches by* 26. MS.

No. 2. Survey of the SURDAH, or GOGRA RIVER, from SYNDPUR to USOGPOOR, by Lieut. W. S. Webb. 1809. *Scale*, 1 *mile to* 1 *inch*; *size* 21 *inches by* 28. MS.

No. 3. Survey of the SURDAH, or GOGRA RIVER, from GUDOHPOOR to BUHADURPOOR, by Lieut. W. S. Webb. 1809. *Scale,* 1 *inch to* 1 *mile; size,* 20 *inches by* 28. MS.

Sarda Canal.

Report on the CANAL IRRIGATION of ROHILCUND, inclusive of the irrigation of the Terai Lands; to which is added some notes on the direct management of Roodurpoor and Guddurpur. By Captain W. Jones, Engineer, Roorkee, 1855. Quarto, cloth.

Map of Proposed Canals in NORTHERN ROHILKUND, N.W.P. No date. *Size,* 36 *inches by* 30. On tracing cloth. MS.

ROHILKUND CANALS. BUNBUSSA CANAL. Index Map of Levels between Sardah and Deoha Rivers. 1871. *Scale,* 1 *inch to* 1 *mile; size,* 35 *inches by* 29. On tracing cloth. MS.

Report on the SARDAH CANAL PROJECT. By Captain J. G. Forbes, R.E., &c. Lucknow, 1871. Fcap., sewed.

SARDAH CANAL. No title or date. *Size,* 16 *inches by* 10.

Sketch Map showing BHABUR BED of GOLA and PAHA CANAL HEAD WORKS. *Size,* 13 *inches by* 9.

Plan showing proposed line for a canal from SARDAH to JUGBOORA RIVER. *Size,* 36 *inches by* 23.

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Sheet No. 4. I. D. O. Longitudinal section of CANAL BED (SARDAH CANAL) from head at NUGLAH to MEINAKOT BRANCH HEAD. *Size,* 36 *inches by* 57. On tracing cloth. MS.

Gunduk Canals, L. P.

INDIAN ATLAS, Sheets, 102, 103, 112. On which is drawn a proposed system of Canals from the River Gunduk, through Sarun and Western Tirhoot. No title or date.

Soane Canal.

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Plate 17. Designs for Bridges.
Plate 18. Design for Regulating Bridges at the Branch Heads on the projected Soane Canals.
Plate 19. Compass Survey to illustrate questions as to the lining out of the works near Koroundea on the Sasseram Branch of the projected Western Soane Canal.
Plate 20. Sections showing the Capacity of the Channels, the Disposition of the Spoil Banks, and the extent of the land to be taken up for the projected Soane Canals.
Plate 21. Illustrations of the System of Distributaries.
Folded in an octavo case.

Outline Plan of the MAIN LINES of LAND embraced by the two schemes contemplated by the PROVINCE of OUDH and from the SOANE RIVER known as the Oudh and Soane projects. No date. *Size,* 36 *inches by* 54. On tracing cloth. MS.

SONE CANAL. Plan of Head Works Land at Dehree. *Scale,* 200 *feet to* 1 *inch.* Signed F. W. Rundall, Colonel R.E., Chief Engineer, Irrigation Branch, Bengal. No. 1A. Enclosure to Sone Circle, Sup. Engineer's No. 1058 of 14th July 1870. *Size,* 28 *inches by* 50. On tracing cloth. MS.

SONE CANAL. Dehree Irrigation Division. Plan of Head Works Land at Baroon. No. 1 B. *Scale,* 200 *feet to* 1 *inch; size,* 31 *inches by* 22. On tracing cloth. MS.

Sketch Map illustrating approximately the Main Works and Lines of Irrigation and Navigation from the RIVER SOANE. No. 2. *Scale,* 4 *miles to* 1 inch; *size,* 27 *inches by* 80. On tracing cloth. MS.

SONE CANAL. Dehree Irrigation Division. Masonry of Head Locks. No. 6. *Scale,* 10 *feet to* 1 *inch; size,* 33 *inches by* 38. On tracing cloth. MS.

SONE CANAL. Behar Works. Main (Eastern) Canal Section. Sone River to Chittur Gopee, 10½ *miles.* No. 12. *Size,* 19 *inches by* 48. On tracing cloth. MS.

SONE CANAL. Behar Undertaking. Eastern Main Canal. Design for Aqueduct across the River Poon Poon. No. 19. *Size,* 36 *inches by* 64. On tracing cloth. MS.

*** *See* also the Chandun River, p. 173; the Hindon River, p. 212; and the Chumbal River, p. 265.

THE BRAHMAPUTRA RIVER.

Rennell's Survey, 1765.

An exact Survey of the RIVER BARAMPUTREY, from its conflux with the ISSAMUTY, near DACCA, towards ASSAM. By J. Rennell, Surveyor. No. 1, containing from the Issamuty to Nauldee Point, in distance 19½ statute miles. 1765. *Scale, 2 inches to 1 mile; size,* 21 *inches by* 36. MS.

An exact Survey of the RIVERS MEGNA and BARAMPUTREY, by James Rennell, Surveyor. No. 1, containing from the Issamutey to Nauldee Point, in distance 19½ statute miles. May 1765. *Scale,* 2 *inches to* 1 *mile; size,* 19 *inches by* 37. MS. This includes the same part as the foregoing.

The remainder of the Survey on this scale is not in the collection.

Rennell's Survey, reduced.

A general Map of the RIVER BARAMPUTREY, from its conflux with the ISSAMUTY, near DACCA, towards ASSAM; carefully reduced from the original surveys to a scale proper for common use. By J. Rennell, Surveyor. In 5 Parts. *Scale,* 2 *miles to* 1 *inch; size of each sheet,* 18 *inches by* 30. MSS.

Part I. Containing from the Issamuty to the head of the Luckya River, in distance 78 statute miles. 1765.

Part II. Containing from the head of the Luckya River to Coustya, in distance 53 statute miles. 1765.

No. 3. Containing from Baganbarry to Chilmary, in distance 69 miles. Surveyed in October and November, 1765.

No. 4. Containing from Chilmary to Rangamatty Chokey, in distance 62 miles; with the course of the Dherla River from its mouth to Curygong, the Teesta Creek to Olyapour, and the Sunecoas to Rangamatty. Surveyed in November, 1765.

No. 5 and last. Containing from Rangamatty Chokey to Commerput (the eastern limit of Bengall towards the river), in distance 62 miles; together with the Provinces of Bisnee, and the courses of several rivers through that country; showing the limits of Bengall towards Assam and Boutan. Surveyed in November and December, 1765.

Reuben Burrow's Survey, 1787.

Remarks, &c. made in the GANGES and BURRAMPOOTER RIVERS in the latter part of the year 1787. By Reuben Burrow. Latitudes by meridian altitudes. Longitudes by lunar distances and eclipses of Jupiter's satellites. Numerous sketches of hills. In 1 vol., post folio, bound. MS.

Wood's Survey, 1792–94.

The BURRAMPOOTER RIVER from NOGHURBERA to GWAHATTY. Surveyed in the months of December 1792 and January 1793, by Ensign Wood, of Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,* 2 *miles to* 1 *inch; size,* 21 *inches by* 27. MS.

The BURRAMPOOTER RIVER from GWAHATTY to LITTOREE. Surveyed in the months of February and March 1793, by Ensign Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,* ½ *inch to* 1 *mile; size,* 20 *inches by* 27. MS.

(b.) RIVERS OF INDIA WITH OUTLETS ON THE EASTERN SIDE OF THE BAY OF BENGAL.

BURMESE RIVERS.

IRRAWADDY RIVER.

Draught of the ERAWUDDEE (IRABATTY) RIVER from RANGOON to UMMERAPOORAH, the present capital of the Birmahn Dominions. Taken between the months of May and December 1795, and presented to the Honourable Sir John Shore, Bart., Governor-General, &c. &c. &c. of India. By Thomas Wood, Ensign, Engineers, Bengal Establishment. *Scale*, 4 *geographical miles to* 1 *inch ; size*, 81 *inches by* 30. MS.

Sketch of the River from RANGOON to YEANDABOO (45 miles south-west of the city of Ava) in the great RIVER IRRAWUDDY. Taken while commanding the Honourable Company's steam vessel Diana, advancing with the flotilla against the Burmese in 1825 and 1826. Dedicated to the Right Honourable the Lords Commissioners of the Admiralty, by their very obedient and humble servant, Geo. Winsor, Lieut. R.N. *Scale, about* 3½ *miles to* 1 *inch; size* 109 *inches by* 39. MS.

Sketch of the IRRAWADDY RIVER from the CHINA BUKEER RIVER entrance to PROME. By Mr. F. E. Twisden, H. C. Str. Pluto. 1852. *Scale*, ¾ *inch to* 1 *mile ; size*, 30 *inches by* 42. MS.

*** *See also* Burmah.

Sketch of the RIVER IRRAWADDI from MEADAY to AMERAPOORA. By Commander Rennie and Lieut. Heathcote, I.N., assisted by Messrs. Ogilvy, I.N., and Darcy, H.C.S. Sutledge. Taken during the month of August, 1855. With a section of the river at its extreme height, and at its low level in the dry season ; also various notes. *Scale, about* 1 *mile to* 1 *inch. Part* 1, *size*, 52 *inches by* 69 ; *Part* 2, *size*, 40 *inches by* 126. MS.

A Survey of the IRRAWADDY RIVERS, from MEEADAY to AMMERAPORA, in August 1855. By F. Duncan, commanding H.C. Steamer, Lord William Bentinck. *Scale*, 2 *miles to* 1 *inch ; size*, 34 *inches by* 80. MS.

MEMORANDUM on the IRAWADI RIVER, with a Monthly Register of its Rise and Fall from 1856 to 1858, and a Measurement of its Minimum Discharge. By Lieut.-Col. A. Cunningham, Chief Engineer, Pegu and Tenasserim. Fcap., 6 pages, with diagrams.

Sketch Map of the IRRAWADDY DELTA (with the Embankments and Prome Railway). *Size*, 11 *inches by* 13. On tracing cloth. MS.

Index Map showing Lines levelled and Line of proposed Canal Embankment, &c. *Scale*, 2 *miles to* 1 *inch; size*, 29 *inches by* 31. On tracing cloth. MS.

Kyendwen River.

A branch of the Irawaddy.

Sketch of the KYENDWEN RIVER, from NATKYUNAUNGMAI, or GENDUIH, to the IRRAWATTE RIVER. By Lieut. Montmorency. With corrections and additions by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. 1831. *Scale*, 4 *miles to* 1 *inch ; size*, 43 *inches by* 21. MS.

SITTANG RIVER.

(Chart of) The SITTOUNG RIVER, from SITTOUNG to TOUNG-GNOO. By Lieut. C. Y. Ward, I.N., Surveyor. 1854. *Scale,* 1,000 *yards to* 1 *inch; in* 2 *sheets; size of each,* 39 *inches by* 41. MS.

SALWEEN RIVER.

Part of the THALWEEN RIVER (from MARTABAN to PABOO). Received 1844. *Scale,* 2,029 *yards to* 1 *inch; size,* 26 *inches by* 20. Litho.

RIVER SALWEEN surveyed by Lieut. Matthew Nolloth, H.M.S. Childers, 1843. Admiralty Chart, No. 1693. *Scale,* 1 *mile to* 1 *inch; size,* 27 *inches by* 20.

(c.) RIVERS OF INDIA WITH OUTLETS ON THE WESTERN SIDE OF THE BAY OF BENGAL.

DAMOODUR AND SUBARNREKHA RIVERS.

Orissa Canals.

No. 1. Plan of a proposed new Canal in MEDNAPORE and HEDJILEE DISTRICTS between the Damooda and Soobunreka Rivers. *Scale,* 1 *mile to* 1 *inch; size,* 36 *inches by* 69. MS.

No. 2. Plan of a proposed new Canal in the Province of ORISSA, between Soobunreka River and Chilka Lake. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 58. MS.

Sketch Map showing the MAIN WORKS and LINES of IRRIGATION and NAVIGATION now under construction, and proposed to be constructed in Orissa and adjacent districts, as comprised in the Orissa undertaking, May 1870. *Scale,* 8 *inches to* 1 *mile; size,* 31 *inches by* 36.

Map showing the Area which is at present Irrigable on the ORISSA CANALS, and the area which it is now proposed to irrigate. Enclosure to despatch from India, No. 138 of 1872. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 30. On tracing cloth. MS.

MAHANUDDY RIVER.

Sketch Map illustrative of Report on River Mahanuddy and its Tributaries. 1863. *Size,* 23 *inches by* 24.

Also the same with another title.

GODAVARI RIVER.

Sketch Map giving the whole course of the LOWER and UPPER GODAVERY, PRANHITA, and WURDAH from CORINGA to NATCHENGAUM, showing the positions also of Nagpore, Bisnoor on the Wurdah, and



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Oomrawuttee, the great cotton mart of the Province of Berar. The site of the principal reefs or barriers are also shown, to illustrate the Chief Engineer's summary of Lieut. Haig's report. House of Commons Paper, No. 55, Feb. 18. 1862. *Scale, 16 miles to 1 inch; size, 25 inches by 20.*

Sketch Map of the GODAVERY VALLEY to accompany Captain Haig's Memorandum of 1st January 1866. *Size, 26 inches by 40.*

The KANHAN and PENCH RIVERS IRRIGATION PROJECTS, delineated on Sheet 72 of the Indian Atlas. *Size, 40 inches by 27.*

Sketch Map to illustrate General Report relating to making use of the KANHAN RIVER, as a source of supply for the Godavery, and for the irrigation of the Wurda Valley. 1863. *Scale, 4 miles to 1 inch; size, 28 inches by 22.* Lithographed.

Godavari Delta.

A Map of the GODAVERY DELTA below RAJAMUNDRY with Collair Lake. 1846. No title. *Scale, 2 miles to 1½ inch; size, 39 inches by 65.* MS.

Skeleton Map of the DELTA of the GODAVARY in the RAJAHMUNDRY DISTRICT, showing the course of the river, the position of the Anicut, the channels, embankments, cuts, &c. which now existing will diffuse the benefits of the Anicut, and those which are necessary to give full effect to that work. 1849. *Scale, ¾ inch to 1 mile; size, 36 inches by 43.* MS.

Sketch of the GODAVERY and KRISTNA DELTAS, showing the principal channels of navigation, irrigation, drainage, &c. 1862. *Scale, 4 miles to 1 inch; size, 36 inches by 43.* MS. tracing.

Series of Levels down the RIVER GOUDAVERY from TAUNDIPOODY to CORRINGA. By J. L. Caldwell. *Scale, 600 yards to an inch; size, 172 inches by 61.* MS.

Godavari Anicut.

Plans and Sections, &c. by Major Arthur Cotton, 1845:—

1. Section across the GODAVERY at the Head of the DELTA, showing the proposed Anicut with its Wing-walls and Under-sluices; also the Head Sluices to the Main Irrigating Channels, &c. *Size, 9 inches by 30.* MS.

2. Sections of—the Slope of Land on the bank of the GODAVERY—The slope of the surface of the country from Maddapollum to Dhararum—The slope of water in December 1844, &c. *Size, 8 inches by 42.* MS.

3. Cross Sections taken through the body of the ANICUT, proposed to be built across the Godavery River and through one of the under-sluices. *Size, 12 inches by 21.* MS.

4. Plan showing one end of the proposed ANICUT across the Godavery, with the Head of the Irrigating Channel and the Sluices and Locks connected therewith. *Size, 15 inches by 22.* MS.

5. Plan of the GODAVERY at the head of the DELTA near Rajahmundry, showing the Site of proposed Works. 17th April 1845. *Scale, 4 inches to 1 mile; size, 23 inches by 27.* MS.

6. Plan, Elevation, &c. of the Head Sluice for the MAIN IRRIGATION CHANNEL leading from the proposed Godavery Anicut. *Size,* 14 *inches by* 23. MS.

7. Plan and Sections of Locks for the proposed GODAVERY ANICUT. *Size,* 22 *inches by* 27. MS.

GODAVARI CANALS.

First Barrier.

Sketch of the RIVER GODAVERY from DAVARAPILLE to PURNESALA, showing the proposed Line of Canal between Doomagoodium and Davarapille. *Size,* 14 *inches by* 12. On tracing cloth. MS.

Map of the Tract of Country on the Left Bank of the GODAVERY traversed by the proposed Canal between Dumagudiem and Daverapilly. *Scale,* 4 *inches to* 1 *mile; size,* 50 *inches by* 66. Drawn in colours on tracing cloth. MS.

Head Sluice for the DOOMOOGOODIEM and DAVERAPULLY CANAL, Upper Godavery. *Size,* 13 *inches by* 16. On tracing cloth. MS.

Culverts for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size,* 12 *inches by* 12. On tracing cloth. MS.

Plan of a CALINGULAH for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size,* 10 *inches by* 11. On tracing cloth. MS.

Plan and Sections of a CALINGULAH for the DUMUGUDIEM and DEVARAPILLY CANAL. *Size,* 16 *inches by* 23. On tracing cloth. MS.

Plan and Sections of proposed ENTRANCE LOCK at DUMUGUDIEM, Sinteral Barrier. *Size,* 15 *inches by* 23. On tracing cloth. MS.

Plan and Sections of the proposed LOCKS at DAVERAPILLY, Sentral Barrier Project. *Size,* 26 *inches by* 49. On tracing cloth. MS.

Section of Canal from DUMAGUDIEM to CONGOLE. November 1866. *Size,* 10 *inches by* 30. On tracing cloth. MS.

Flood Embankment from High Ground at TRAMWAY to High Ground at TAIL LOCKS. Dumagudiem, November 1866. *Size,* 10 *inches by* 37. On tracing cloth. MS.

Head Lock. *Scale,* 20 *feet to* 1 *inch; size,* 10 *inches by* 23. On tracing cloth. MS.

Also a copy printed in a Parliamentary Return.

Sketch of the Shoals at RUDRUM COTA, as they appeared about 1st Nov. 1860. *Size,* 10 *inches by* 10. On tracing cloth. MS.

Plans printed for Parliament.

First Division. Section of a Canal from VAGU, No. 17, to LOWER TAIL LOCK. Showing work done to end of May, 1863 and 1864. *Size,* 13 *inches by* 35. Printed in Parliamentary Return.

Section of Canal through 2nd Subdivision, 1st Division, U.G.C. Showing work done up to 1st Nov. 1864. *Size*, 13 *inches by* 35. Printed in Parliamentary Return.

Section of Canal from DUMAGUDIEM to CONGOLE. Showing work done in 1865 and 1866. *Size*, 13 *inches by* 35. Printed in Parliamentary Return.

Longitudinal Section of the DUMUGUDIEM ANICUT. Showing work done to 30th April 1866. *Size*, 13 *inches by* 35. Printed in Parliamentary Return.

Also another. Showing work done on the same section in 1867.

Head Lock. *See* MS.

Scouring Sluices at DUMAGUDIEM, U.G.W. Showing work to April and October 1866. *Size*, 13 *inches by* 25. Printed in a Parliamentary Return.

Plans of Eleven Parts of the BED of the GODAVERY, with diagrams of its fall from Kamptee to the Mouth of the Kanhan River, and from the Kanhan to the Mouth of the Wein Gunga River. On 5 plates, *size of each*, 10 *inches by* 9. Printed in a Parliamentary Return.

Transverse Section of the GODAVERY in the line of the proposed Anicut, 1st Barrier. *Size*, 9 *inches by* 39. On tracing cloth. MS.

No. 2. Longitudinal Section of the ANICUT at DUMAGUDIEM, No. 2. *Size*, 9 *inches by* 39.

No. 3. Design for Anicut Wing Wall. By Major Stoddard. *Size*, 27 *inches by* 39.

No. 4. Scouring Sluices. *Size*, 22 *inches by* 40.

No. 5. Head Lock. *Scale*, 8 *feet to* 1 *inch; size*, 27 *inches by* 40.

No. 6. Torbaka Escape. *Size*, 27 *inches by* 40.

No. 7. Seetumpet Lock. *Size*, 27 *inches by* 40.

No. 8. Budrachellum Escape. *Size*, 20 *inches by* 19.

No. 9. Upper Tail Lock. *Size*, 27 *inches by* 40.

No. 10. Plan of Double Lock. *Size*, 27 *inches by* 40.

Longitudinal Section of the Bed of the GODAVERY from Purnasala to the foot of the 1st Barrier.

Second Barrier.

Plan No. 1. Map of the Second Barrier of the GODAVERY, showing the positions of the proposed Anicut and Locks. *Scale*, 400 *yards to* 1 *inch; size*, 31 *inches by* 60. On tracing cloth. MS.

No. 2. Plan of the RIVER BED at the Site of the proposed ANICUT, 2nd Barrier, GODAVERY. *Scale*, 32 *inches to* 1 *mile; size*, 32 *inches by* 60. On tracing cloth. MS.

A Cross Section of the RIVER BED at ENCHAMPILLY. Estimate No. 1, 1864–65. *Size,* 24 *inches by* 39. On tracing cloth. MS.

No. 3. Transverse Section of RIVER BED on Line of ANICUT; Cross Section of Anicut; Sketch of Upper Course, showing concrete filling; Section to illustrate calculations. *Size,* 30 *inches by* 42. On tracing cloth. MS.

No. 4. Plan of UPPER and part of MIDDLE LOCK, with Sluice and Guard Wall in the proposed Anicut. With sections. *Size,* 28 *inches by* 40. On tracing cloth. MS.

No. 5. Plan of LOWER and part of MIDDLE LOCK in proposed Anicut. *Size,* 25 *inches by* 36. On tracing cloth. MS.

Longitudinal Section of 2nd Barrier along Summer Channel from GUNGARAM to BODAGUDEM. *Size,* 13 *inches by* 76. On tracing cloth. MS.

Third Barrier.

Map of the Lower Part of the WYNE GUNGA and 3rd Barrier of the GODAVERY. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 26. Printed in Parliamentary Return.

Sketch Map to illustrate General Report relating to making use of the KANHAN RIVER as a source of supply for the Godavery and for the irrigation of the Wurda Valley. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 27. Printed at the S. G. O., Calcutta. 1863.

KRISHNA RIVER.

Plan of the RIVER KISTNAH with part of the MASULIPATAM and GUNTOOR DISTRICT, exhibiting many of the tanks and the ancient and decayed channels of supply upon which the cultivation of Paddy depends. By J. Lillyman Caldwell, Superintendent of tank repairs. *Scale,* 2,000 *yards to* 1 *inch; size,* 45 *inches by* 32. MS.

Michael Topping's Survey. 1793–4.

A Survey of the KISTNAH, exhibiting the series of levels taken on the northern bank of that river. By M. Topping. *Scale, about* 3 *inches to* 1 *mile; size,* 125 *inches by* 50. MS.

A Survey of the KISTNAH, exhibiting the series of levels taken on its northern bank. By M. Topping. 1793. *Scale, about* 1½ *inches to* 1 *mile; size,* 62 *inches by* 29. MS.

A Survey of the RIVER KISTNAH from MUKTALAH to BEZOARA. By M. Topping. 1793. *Scale,* 3 *fathoms to* 1 *inch; size,* 124 *inches by* 50. MS.

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. *Scale, about* 1½ *inches to* 1 *mile; size,* 96 *inches by* 49. MS.

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. *Scale, about* 1½ *inches to* 1 *mile; size,* 94 *inches by* 51. MS.

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. (Without title.) *Scale, about* 3 *inches to* 1 *mile; size,* 144 *inches by* 26. MS.

Series of levels from BEGOARA to ELLORE (by M. Topping, 1794 ?). *Scale of the profile, about* 9½ *feet to* 1 *inch; size,* 136 *inches by* 45. MS.

Series of levels from ELLORE to TALLAPOODY. (By M. Topping, 1794 ?.) *Scale of profile,* 10 *feet to* 1 *inch; size,* 180 *inches by* 41. MS.

*** *See* the Godavari River for the continuation of this series to Coringa.

Krishna Delta.

Sketch of part of MASULIPATAM and GUNTOOR DISTRICTS, showing the extent of land (coloured light green) that will be brought under the influence of the proposed Kistnah Anicut. 1874. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 29. MS.

Sketch Map showing the direction of the proposed SOUTHERN HIGH LEVEL CHANNEL from the KISTNAH ANICUT. 1855. *Size,* 15 *inches by* 30. MS.

Diagram, showing the nature of the two great holes made in the KISTNAH ANICUT by the freshes of 1858. *Size,* 25 *inches by* 19. MS.

Map of KISTNA DELTA. 1863. *Scale,* 2 *miles to* 1 *inch; size,* 36 *inches by* 52. On tracing cloth. MS.

Section through the body of the proposed KISTNAH ANICUT. 1847. No. 4. *Size,* 21 *inches by* 25. MS.

Plan, Elevation, &c. of the HEAD SLUICES for the Main Irrigating Channels leading from the proposed KISTNAH ANICUT. 1847. *Size,* 19 *inches by* 24. MS.

Plan and Sections of a LOCK to be attached to the Main Sluices of the Main Irrigating Channels leading from the proposed KISTNAH ANICUT. 1847. *Size,* 19 *inches by* 28. MS.

Sketch showing the probable acreage of wet cultivation when the KISTNA CHANNELS shall have been enlarged to their full width. 1863. Drawn on a printed map, entitled "Map shewing the Trunk Roads of the Kishnah District." *Scale,* 8 *miles to* 1 *inch; size,* 16 *inches by* 23.

Longitudinal and Cross Sections of the principal Channels in the GUNTOOR DELTA, showing the dimensions to which it is proposed to extend them eventually. 1863. *Size,* 36 *inches by* 52. On tracing cloth. MS.

Longitudinal and Cross Sections of the principal Channels in the MASULIPATAM DELTA, showing the dimensions to which it is proposed to extend them eventually. 1863. *Size,* 36 *inches by* 52, with a Supplement. On tracing cloth. MS.

WESTERN BANK CHANNEL. Proposed Calingulas for regulating the discharge of water at Kollore, at head of Vellatur Channel, and at head of Yesakapully Channel. 1863. On three sheets; *size of each,* 14 *inches by* 21. On strong cloth. MSS.

Sketch showing the course of the IRRIGATION COMPANY'S CANAL in the KURNOOL DISTRICT, and the probable extent of land irrigable from it north of Nundial. Lithographed in colors at the Revenue Survey Press, Madras, October 1863. *Size,* 24 *inches by* 32.

MADRAS PRESIDENCY IRRIGATION.

Irrigation Map of the MADRAS PRESIDENCY, compiled and drawn in the Government Lithographic Press, Central Office of Public Works, from information furnished by District Engineers, for the Secretary of State for India, as per order of Government, No. 569, of 17th October 1860. 1860. *Scale,* 8 *miles to* 1 *inch; size,* 115 *inches by* 96.

*** With a list of the principal rivers, canals, channels, and principal tanks in each district. MS.

Irrigation Map of the MADRAS PRESIDENCY, compiled from information furnished by District Engineers, for the Secretary of State for India. Corrected up to April 1863. *Scale,* 8 *miles to* 1 *inch; size,* 115 *inches by* 97.

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Similar Maps for the years 1864, 1865, and 1869.

MADRAS EAST COAST CANAL. Section of the GROUND from YEDDAHOOR near Sadras to AUDEAUR RIVER, at MADRAS. Taken for the purpose of constructing a canal between those places, to be eventually extended southwards. 1853. *Size,* 11 *inches by* 13¾ *feet.* On tracing cloth. MS.

Plan of the EAST COAST CANAL, showing the parts completed, in progress, and not commenced, together with the Principal Irrigating Channels in the Godavery and Kistnah Deltas; compiled from the Madras Public Works Budgets for the years 1854–55 to 1860–61, inclusive. Also Plan of the "TUMBUDRA SCHEME," in course of construction by the Madras Irrigation and Canal Company, from a letter from Capt. F. H. Rundall to Secretary to Government of Fort St. George, dated 1st February 1860, No. 36. And Plan of a PROPOSED CANAL from PONANG to COCHIN, with EXTENSION to TRIVANDRUM. (*See* Madras Public Works Letter, No. 5 of 1860.) By Fred. Chas. Danvers, Public Works Department, India Office. 25th July 1860. *Size,* 30 *inches by* 25. This is a part of Walker's Sketch Map of India, with a MS. title and additions.

MADRAS IRRIGATION AND CANAL COMPANY.

The MADRAS IRRIGATION and CANAL COMPANY (Limited). A pamphlet with the Prospectus of the Company, and extracts from Official Reports and Documents, &c., showing the vast importance of Works of Irrigation and Communication by Navigable Canals, in the Presidency of Madras and the Mysore Territories, &c., as a safe and highly remunerative investment for British capital. London, 1857. Octavo, 120 pages, sewed.

General Maps.

Maps showing the TERRITORIES embraced by the Act of Incorporation and Scheme of the MADRAS IRRIGATION and CANAL COMPANY. *Size,* 27 *inches by* 22.

*** Showing the Main Irrigating and Navigable Canal of the first project, to be constructed by the Madras Irrigation and Canal Company.

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Map showing the TOOMBUDDRA PROJECT of the MADRAS IRRIGATION and CANAL COMPANY, as roughly sketched by the Chief Resident Engineer. *Scale*, 16 *miles to* 1 *inch; size*, 24 *inches by* 32.

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,,	,,	3	,,	,,	21	,,	30	,,
,,	,,	4	,,	,,	20	,,	30	,,
,,	,,	5	,,	,,	21	,,	30	,,
,,	,,	6	,,	,,	21	,,	29	,,
,,	,,	7	,,	,,	20	,,	29	,,
,,	,,	8	,,	,,	22	,,	29	,,

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,,	,,	10	,,	,,	34	,,	30	,,
,,	,,	11	,,	,,	20	,,	30	,,
,,	,,	12	,,	,,	27	,,	31	,,
,,	,,	13	,,	,,	26	,,	32	,,
,,	,,	14	,,	,,	28	,,	33	,,
,,	,,	15	,,	,,	24	,,	33	,,
,,	,,	16	,,	,,	26	,,	30	,,
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Also a Copy of the same, entitled Madras Irrigation and Canal Company, Hindry Division, 10 ferry boats in the 2nd Section.

Another edition, showing the MAIN CHANNEL of the TOONGA-BUDDRA PROJECT, the contemplated Extension thereof, existing and proposed Canals. *Size*, 27 *inches by* 22.

Sketch showing the CONTOUR LINES which a Canal taken off at different levels from the TUMBUDDRA will follow along the watersheds of the RIVERS TUMBUDDRA and BOWANASSY, the BOWANASSY and KUNDAR, and the BOWANASSY and HINDRI. To accompany the Consulting Engineers' letter of the 15th Oct. 1860. *Size*, 13 *inches by* 27. On tracing cloth. MS.

Map showing the TOOMBUDDRA PROJECT of the MADRAS IRRIGATION and CANAL COMPANY, as roughly sketched by the Chief Resident Engineer. *Scale*, 16 *miles to* 1 *inch; size*, 24 *inches by* 32.

*** With an explanation.

Also a later edition, dated November 1860, without the explanation.

The MADRAS IRRIGATION and CANAL COMPANY. Map of the Toombuddra Undertaking, showing the Main Line of Canal, as at present under construction, and contemplated. No date. *Scale*, 16 *miles to* 1 *inch; size*, 26 *inches by* 33.

MADRAS IRRIGATION and CANAL COMPANY. Sketch Map showing the Line of Canal and proposed Telegraph (from Soonkasala to Cuddapah). Sanctioned in the Government Proceedings, No. 3167 of 23rd October 1865. *Scale*, 4 *miles to* 1 *inch; size*, 29 *inches by* 19. On tracing cloth. MS.

Plan of the East Portion of the TOOMBUDRA PROJECT to accompany the first report of the Chief Engineer, Sept. 1859. *Scale*, 4 *miles to* 1 *inch; size*, 32 *inches by* 37. MS.

Sketch showing the probable site for an Annicut across the River Pennair, and line of Main Canal of irrigation and navigation, thence to the Eastern Coast Canal near Kistnapatam, as proposed by the Chief Engineer of the Irrigation Company. *See* his letter to the Secretary, dated 5th April 1860, &c. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 33. On tracing cloth. MS.

Sketch Map showing the course of the MAIN CANAL from the SOONKASALA ANNICUT to the NAGATOOR TANK. *Scale*, 1 *inch to* 1 *mile; size*, 23 *inches by* 38. On tracing cloth. MS.

Sketch showing the direction of the MAIN CANAL, the Site of the Reservoirs on the Rivers Huggry and Hindry, and of the Annicuts on the Rivers Toongaboddra and Pennaur. 1860. *Scale*, 24 *miles to* 1 *inch; size*, 17 *inches by* 21. On tracing cloth. MS.

MADRAS IRRIGATION and CANAL COMPANY. Survey of No. 1 Mile of the South Main Channel from the proposed Soonkasala Annicut. *See* Despatch to Home Government, dated 10 June 1861. *Scale*, 88 *yards to* 1 *inch; size*, 22 *inches by* 30. MS.

Survey	of No.	2	mile.	*Size*,	26	*inches by*	33.	MS.
,,	,,	3	,,	,,	21	,,	30	,,
,,	,,	4	,,	,,	20	,,	30	,,
,,	,,	5	,,	,,	21	,,	30	,,
,,	,,	6	,,	,,	21	,,	29	,,
,,	,,	7	,,	,,	20	,,	29	,,
,,	,,	8	,,	,,	22	,,	29	,,

Survey	of No.	9	mile.	*Size,*	31	*inches by*	30.	MS.
„	„	10	„	„	34	„	30	„
„	„	11	„	„	20	„	30	„
„	„	12	„	„	27	„	31	„
„	„	13	„	„	26	„	32	„
„	„	14	„	„	28	„	33	„
„	„	15	„	„	24	„	33	„
„	„	16	„	„	26	„	30	„
„	„	17	„	„	24	„	30	„

CONTOUR LINE of TANK formed in No. 6 Mile of South Main Canal. *Size,* 42 *inches by* 30. MS.

South Main Canal Bridges.

No. 1. MADRAS IRRIGATION AND CANAL COMPANY. Plan, Sections, and Elevation of the Bridge proposed to be constructed on the 17th mile of the South Main Canal. *Scale,* 10 *feet to* 1 *inch; size,* 14 *inches by* 30. MS.

MADRAS IRRIGATION AND CANAL COMPANY. Hindry Division. Bridge No. 2 proposed to be constructed on the 19th mile. *Scale,* 10 *feet to inch; size,* 12 *inches by* 28. MS.

MADRAS IRRIGATION AND CANAL COMPANY. Hindry Division. Bridge No. 3 proposed to be constructed on the altered portion of Garidimulla Road. *Scale,* 10 *feet to* 1 *inch; size,* 13 *inches by* 15. MS.

South Main Canal, Calingulahs.

MADRAS IRRIGATION AND CANAL COMPANY. Plan, Section and Elevation of Numbers 1 and 5, Calingulah, on the South Main Canal. *Scale,* 10 *feet to* 1 *inch; size,* 14 *inches by* 30. MS.

Also Numbers 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, on separate sheets.

South Main Canal Tunnels.

MADRAS IRRIGATION AND CANAL COMPANY. Plan and Sections of Nos. 1, 2, 3 Tunnels on the South Main Canal. *Scale,* 5 *feet to* 1 *inch; size,* 14 *inches by* 30. MS.

Also Nos. 4 and 5, 6, 7, 8, on 4 sheets.

South Main Canal Culverts.

MADRAS IRRIGATION and CANAL COMPANY. Plan and Sections of No. 1 Culvert on the South Main Canal. *Scale,* 10 *feet to* 1 *inch; size,* 14 *inches by* 30. MS.

Also No. 2 on 1 sheet.
„ 3, 4, 5, 7, 8, 9, on 1 sheet.
„ 6, on 1 sheet.
„ 10, on 1 sheet.
„ 12, on 1 sheet.
„ 13, on 1 sheet.

South Main Canal Ferry Boats.

MADRAS IRRIGATION and CANAL COMPANY. Ferry Boat proposed for the South Main Canal. *Scale,* ½ *inch to* 1 *foot; size,* 14 *inches by* 30. MS.

Also a Copy of the same, entitled Madras Irrigation and Canal Company, Hindry Division, 10 ferry boats in the 2nd Section.

Hindry Aqueduct.

MADRAS IRRIGATION and CANAL COMPANY. Survey of a portion of the River Hindry, showing the Site of the proposed Aqueduct, and also that of the sanctioned one, with road alteration. *Scale*, 88 *yards to* 1 *inch; size*, 16 *inches by* 28. MS.

MADRAS IRRIGATION and CANAL COMPANY. Transverse Section of the Hindry, showing the surface of Rock at the Site of the proposed Aqueduct. *Size*, 10 *inches by* 45. MS.

MADRAS IRRIGATION and CANAL COMPANY. Altered Plan of Hindry Aqueduct. *Scale*, 20 *feet to* 1 *inch; size*, 18 *inches by* 50. MS.

Plans of the WORKS at HINDRY, &c. Signed F. H. Rundall, Lieut.-Colonel, Consulting Engineer for Irrigation and Canal Company, numbered 1, 2, 3, 4, 5. In duplicate, on tracing paper mounted.

No. 1. Survey of a portion of Kurnool and the River Hindry, showing the Site of the Aqueduct. *Scale*, 88 *yards to* 1 *inch; size*, 38 *inches by* 29.

No. 2. Transverse Section of the Hindry, showing the surface of the Rock of the Site of the proposed Aqueduct. *Scale*, 30 *feet and* 10 *feet to* 1 *inch; size*, 10 *inches by* 44.

No. 3. Proposed Hindry Aqueduct, near Kurnool. *Scale*, 30 *feet to* 1 *inch; size*, 20 *inches by* 34.

No. 4. Enlarged Section of a portion of the Hindry Aqueduct. *Scale*, 10 *feet to* 1 *inch; size*, 29 *inches by* 50.

No. 5. Longitudinal and Transverse Sections of the Approaches of the Hindry Aqueduct. *Scale*, 30 *feet to* 1 *inch; size*, 12 *inches by* 30.

Kadrabagh Aqueduct.

Plan, Elevation, and Section of KADRABAGH AQUEDUCT, substituted for Culvert No. 13. 1864. *Scale*, 10 *feet to* 1 *inch; size*, 30 *inches by* 40. On tracing cloth. MS.

Plans of Works in the HINDRY DIVISION, Main Canal, 2nd Section, dated Kurnool, 13th December 1864.

(No. 1.) Average Sections of the Canal Embankment and Dry Rubble Walls. *Scale*, 20 *feet to* 1 *inch; size*, 36 *inches by* 26. On tracing cloth. MS.

(No. 2.) Sections of Walls constructed and under construction on 2nd Section Main Canal, to accompany Revised Estimate. *Scale*, 10 *feet to* 1 *inch; size*, 18 *inches by* 24. On tracing cloth. MS.

(No. 3.) Plan, Section, and Elevation of the Gooty Road Bridge, as completed. *Scale*, 10 *feet to* 1 *inch; size*, 18 *inches by* 21. On tracing cloth. MS.

(No. 4.) General Plan and Elevation, &c. showing Sluices in Calingulahs. *Scale*, 5 *feet to* 1 *inch; size*, 18 *inches by* 24. On tracing cloth. MS.

(No. 5.) Plan and sections of Emptying Sluice in 19th mile. *Scale*, 10 *feet to* 1 *inch; size*, 15 *inches by* 18. On tracing cloth. MS.

(No. 6.) Plan and Sections of Culvert, No. 12, situated in the 21st mile. *Scale*, 10 *feet to* 1 *inch; size*, 19 *inches by* 39. On tracing cloth. MS.

Survey and Levels along the first mile of the GREAT SOUTH MAIN CANAL from KURNOOL. 1860. *Scale*, 330 *feet to* 1 *inch; size*, 24 *inches by* 36. MS.

No. 1. MADRAS IRRIGATION and CANAL COMPANY. Survey of a portion of the country adjacent to the site of the Annicut proposed to be constructed across the Toongaboodra at Kurnool. 1860. *Scale*, 800 *feet to* 1 *inch; size*, 26 *inches by* 31. MS.

No. 2. MADRAS IRRIGATION and CANAL COMPANY. Plans, elevation, and sections of the Toombudra Annicut and Under Sluices proposed to be constructed at Kurnool. July 1860. *Size*, 26 *inches by* 38. MS.

No. 2. Drawings of WALLS and SURPLUS SLUICES for the first mile at Kurnool. August 1860. *Size*, 13 *inches by* 19. MS.

Plan No. 3. MADRAS IRRIGATION and CANAL COMPANY. Drawings of Head Sluice for the South Main Canal at Kurnool. 1860. *Scale*, 10 *feet to* 1 *inch; size*, 21 *inches by* 28. MS.

No. 4. MADRAS IRRIGATION and CANAL COMPANY. Drawings of Lock for the South Main Canal at Kurnool. 1860. *Size*, 26 *inches by* 34. MS.

Canal Sections.

MADRAS IRRIGATION and CANAL COMPANY. Hindry Division. Cross sections from the 20th mile to the 43rd. On 9 sheets. MS.

MADRAS IRRIGATION and CANAL COMPANY. Hindry Division. Longitudinal section from the 20th mile to the 32nd. *Size*, 7½ *yards by* 6 *inches*. MS.

MADRAS IRRIGATION and CANAL COMPANY. Land plan No. 8. Showing land required in the village of Rajowloo in the territories of the Rajah of Gudwal. *Scale*, 88 *yards to* 1 *inch; size*, 19 *inches by* 37. MS.

MADRAS IRRIGATION and CANAL COMPANY. Hindri Division. Syphon Sluice No. 1. *Scale*, 10 *feet to* 1 *inch; size*, 8 *inches by* 12. MS.

MADRAS IRRIGATION and CANAL COMPANY. Proposed Hospital at Kurnool. *Size*, 14 *inches by* 19. MS.

MADRAS IRRIGATION and CANAL COMPANY. Central Hospital, outbuildings. *Size*, 12 *inches by* 23. MS.

Register of the RIVER TOOMBUDDRA at SOONKASALA ANICUT, for the month of July 1862. Chepank, 24th March 1863. *Size*, 15 *inches by* 12. On tracing cloth. MS.

Section of ANICUT to accompany Monthly Report for June 1862. Chepank, 24th March 1863. *Size*, 15 *inches by* 29. On tracing cloth. MS.

Nagatoor Division.

Plans sanctioned in the GOVERNMENT PROCEEDINGS, No. 3576, on 14th December 1864.

(No. 1.) Proposed 8 feet Culvert. *Scale,* 10 *feet to* 1 *inch; size,* 19 *inches by* 23. On tracing cloth. MS.

(No. 2.) 14 feet Culvert at Puggydial. *Scale,* 8 *feet to* 1 *inch; size,* 19 *inches by* 20. On tracing cloth. MS.

Plans sanctioned in the Government proceedings, No. 461 of the 16th February 1865. *Scale,* 8 *feet to* 1 *inch.*

(No. 1.) Apron for Calingulah. *Size,* 15 *inches by* 19.

(No. 2.) Apron for Calingulah. *Size,* 31 *inches by* 25.

Koondaur Division.

Plans for the Sixth Section of MAIN CANAL. Signed I. O. E. Ludlow, Lieut.-Col. R.E., Acting Consulting Engineer for Irrigation and Canal Company. No date.

(No. 1.) Plan of Lock with Bridge, No. 7. 20 feet lift. *Scale,* 8 *feet to* 1 *inch; size,* 28 *inches by* 37.

(No. 2.) Plan of Lock, Nos. 3, 6, 10, and 12. 10 feet lift. *Scale,* 8 *feet to* 1 *inch; size,* 23 *inches by* 28.

(No. 3.) Plan of regulating Lock, No. 1, at the head of Sixth Section. *Scale,* 8 *feet to* 1 *inch; size,* 25 *inches by* 24.

(No. 4.) Plan of Lock of 20 feet lift, Nos. 4, 5, 8, 9, 11. *Scale,* 8 *feet to* 1 *inch; size,* 28 *inches by* 30.

(No. 5.) Plan of Lock of 30 feet lift, No. 2. *Scale to elevation,* 16 *feet to* 1 *inch; scale to plans and section,* 8 *feet to* 1 *inch; size,* 27 *inches by* 37.

(No. 6.) Plan of regulating Lock, No. 1, at the head of Seventh Section. *Scale,* 8 *feet to* 1 *inch; size,* 26 *inches by* 23.

Pennair Division.

Pennair Canal.

Sketch Survey of the proposed KISTNAPATAM CANAL (from Kistnapatam to Mellore). 1860. *Scale,* 2 *inches to* 1 *mile; size,* 46 *inches by* 22. On tracing cloth. MS.

Plans and sections, &c. of the details for the above CANAL, on 9 sheets of various sizes (tracing cloth). Dated Mellore, September, 1860. MSS.

PENNAIR DIVISION, 9th section; Scouring Sluices, 8 feet Culvert; Calingula, 10 ft. drop; Calingula, 8 ft. drop; Calingula, 12 ft. drop. Elevation of Western Wing Wall of Anicut at Rajoly.

Bownassy Division.

MADRAS IRRIGATION and CANAL COMPANY. Sketch Plan, showing Main Line from 43rd to 72nd mile, or 4th and 5th sections. *Scale,* 1 *inch to* 1 *mile; size,* 22 *inches by* 29. MS.

No. 2. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Calingulah of 600 feet opening. *Size,* 20 *inches by* 24. MS.

No. 3. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Bridge under road from Yerragoodoor to Mittacondal. *Size,* 20 *inches by* 29. MS.

No. 4. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. 3 feet culvert. *Size*, 21 *inches by* 29. MS.

No. 5. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. 4 feet culvert. *Size*, 21 *inches by* 29. MS.

No. 6. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. 6 feet culvert. *Size*, 19 *inches by* 29. MS.

No. 7. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Road bridge in ordinary section of canal. *Size*, 13 *inches by* 22. MS.

MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Longitudinal section, 43rd mile to 72nd. *Size*, 16 *yards by* 10 *inches*. MS.

MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Cross section of canal, Nos. 1, 2, 3, 4. *Size of each*, 15 *inches by* 36. MS.

MADRAS IRRIGATION and CANAL COMPANY. Offices and store at Bownassy. *Size*, 20 *inches by* 25. MS.

MADRAS IRRIGATION and CANAL COMPANY. Carpenters' and smiths' shed at Bownassy. *Size*, 12 *inches by* 17. MS.

Mysore, Hemavati Irrigation.

Survey of the SREERAMADAVUR, North and South CHANNELS, Nursipoor Talug. Drawing No. 1A. No date. *Scale*, 4 *inches to* 1 *mile*; *size*, 37 *inches by* 72. On tracing cloth. MS.

Plan of MADAPOOR DAM (Heemavutty River). No date. *Size*; 31 *inches by* 29. On tracing cloth. MS.

POINEY OR PONNAY IRRIGATION.

(1.) Sketch showing the general direction of the CHANNELS from the PONNAY RIVER, including those cut in 1863 and those proposed to be executed. *Scale*, 1 *mile to* 1 *inch*; *size*, 19 *inches by* 58. On tracing cloth. MS.

(2.) Survey of the proposed NEW TANK at KARYKALL, together with its channel of supply from the North end of Parangangee Tank and the continuation of the channel from Parangangee Tank Eastward towards Moshoor. In three parts. *Size*, 28 *inches by* 147. On tracing cloth. MS.

(3.) Section taken from the North End of the PARANGANGEE TANK to the Karykall Reservoir and on to Moshoor. *Scales*, 30 *yards and* 12 *feet to* 1 *inch*; *size*, 14 *inches by* 45. On tracing cloth. MS.

(4.) Survey of a SOUTHERN BRANCH CHANNEL from Poiney Annicut. *Size*, 77 *inches by* 27. On tracing cloth. MS.

(5.) Survey and Section of a proposed CHANNEL for Irrigating the Lands beneath the Tank of Thagracoopum Cottary. *Scales,* 150 *feet and* 10 *feet to* 1 *inch; size,* 16 *inches by* 25. On tracing cloth. MS.

CAVARI DELTA, 1865–67.

Tracing No. 1. Sections of the Surplus Works of the RIVER CAUVERY, Upper Annicut.

Tracing No. 2. Proposed Vented Dam for RIVER CAUVERY, to be built 200 feet below the Grand Annicut, that work to be raised $\frac{7}{10}$ths of a foot or to 241·6 above datum line. Work to consist of 30 vents and 1 large arch for boats to pass through. *Scale* 1·240; *size,* 42 *inches by* 46. MS.

Tracing No. 3. Proposed Dams to be built across the CAUVERY and CODAMOORLY RIVERS, with Road Bridges for the regulation of the water. *Size,* 37 *inches by* 44. MS.

Tracing No. 4. Proposed Dams to be built across the CAUVERY and ARASALAUR RIVERS, for the regulation of the water. *Size,* 25 *inches by* 37. MS.

Tracing No. 5. Proposed Dams to be built across the CAUVERY and VEERASHOLAN RIVERS, for the regulation of the water. *Size,* 24 *inches by* 37. MS.

Diagram of the Freshes of the RIVER CAUVERY, No. 1.

Diagram of the Height of the Water, from June to December 1865, on the different water gauges in the RIVER CAUVERY.

PALAR IRRIGATION WORKS.

Maps and Plans, &c. of a Project for an Annicut across the PALAR, marked A, B, C, D, E, F, G, H, W. On tracing cloth. MSS.

A. Plan, Sections, and Elevations of the Palar Annicut and Bridge. *Size,* 29 *inches by* 89.

B. Surveys showing the Tanks and Channels of the South side connected with the Palaur Annicut Project. 1863. *Scale,* 2 *inches to* 1 *mile; size,* 30 *inches by* 45.

C. Plan of the Palaur Annicut as built, and various sections. 1859. *Size,* 24 *inches by* 37.

D. Indian Atlas, Sheet 78. Showing the Palar and Poiney projects in MS. 1862. *Size,* 26 *inches by* 40.

E. Survey showing the position of the Annicut across the Palar, and the channels connected with it. 1862. *Scale,* 1 *inch to* 1 *mile; size,* 24 *inches by* 25.

F. Survey showing the Channels of the North side connected with the Palaur Annicut project. *Scale,* 4 *inches to* 1 *mile; size,* 44 *inches by* 72.

G. Sections of Mahandravady Channel in its finished state. 1860. *Size,* 7 *inches by* 30.

H. Plan, Elevation, and Sections of the Mahandrawaddy Tank, New Calingulah, South side. *Size,* 15 *inches by* 24.

W. Plan of Works connected with Palaur Annicut. No title. 1861. *Size,* 18 *inches by* 42.

TAMBRAPOORNEY IRRIGATION, TINNEVELLY.

Sketch of the Irrigation dependent on the TAMBRAPOORNEY, below the Murdoor Anicut, showing the proposed channels to Tuticorin on the north and Trichendore on the south, with the new land to be brought under wet cultivation coloured yellow, in the Streevigoontum and Punjamahl Talooks of the Tinnevelly District. 1855. *Scale*, 1 *inch to* 1 *mile; size*, 26 *inches by* 30. On tracing cloth. MS.

Plans and Sections of an Anicut and Bridge with Locks at both extremities, to be constructed across the TAMBRAPOORNEY at Streevigoontum. 1855. *Size*, 18 *inches by* 45. On tracing cloth. MS.

Sections of the proposed Channels to TUTICOORIN on the north and TUCHENDORE on the south, from the Tambrapoorney at Streevigoontum. Also longitudinal section of the latter below the Keelpedagay Head Sluice. 1855. *Size*, 1½ *feet by* 10. On tracing cloth. MS.

Masonry Works required in the NORTHERN CHANNEL. 1855. *Size*, 18 *inches by* 23. On tracing cloth. MS.

Masonry Works required in the SOUTHERN CHANNEL. Same size. MS.

CALICUT AND COCHIN CANAL.

A Map of the Coast and navigable Backwater and Canal between BEYPORE and COCHIN. District Engineers' Office, Malibar. Calicut, 4th Nov. 1858. *Scale*, 1 *mile to* 1 *inch; size*, 1 *foot by* 8. MS.

Sketch showing the Land and Water communication between the BEYPORE and MADRAS RAILWAY and COCHIN, within the limits of the Malabar District. Calicut, 1862. *Scale*, 3 *miles to* 1 *inch; size*, 37 *inches by* 22. On tracing cloth. MS.

*** With a copy of foregoing map attached.

Sketch showing the Line of Water communication proposed by Colonel Cotton from TANOOR to KADALHOONDY RIVER, near Beypoor, &c. Calicut, 1858. *Scale*, 8 *inches to* 1 *mile; size*, 18 *inches by* 43. On tracing cloth. MS.

Survey of the proposed Line of Canal between the POORAPARAMBA CANAL and KADALHOONDY RIVER. Calicut, 1858. No title. *Scale*, 220 *yards to* 1 *inch; size*, 14 *inches by* 36. On tracing cloth. MS.

Levels taken along the proposed Line of Canal from POORAPARAMBA DAM to KADALHOONDY, &c. Calicut, 1858. *Size*, 14 *inches by* 36. On tracing cloth. MS.

Sections of Line of Coast Canal from COOTAI, on the Ponany River, to BEYPOOR. 1859. *Size*, 25 *inches by* 36. On tracing cloth. MS.

MALABAR DISTRICT. Revised plans, elevations, and sections of Locks, 100 feet in length and 20 feet in breadth, proposed to be erected on the present and proposed Canals between Ponany and Beypoor. 1860. *Size*, 22 *inches by* 39. On tracing cloth. MS.

(d.) RIVERS OF INDIA WITH OUTLETS IN THE ARABIAN SEA.

THE INDUS RIVER.

A Map of the INDUS and PUNJAB RIVERS from the sea to Lahore. By Lieut. Alexander Burnes, Assistant Resident in Cutch, and lately on a mission to Lahore. Signed by the author, and dated, Lodeeuna, 1st December 1831. *Scale*, 8 *miles to* 1 *inch; size*, 58 *inches by* 33. MS.

Section of the RIVER INDUS at its point of junction with the Pinjnud. Taken on the 5th of March 1833. *Size*, 21 *inches by* 18. MS.

The RIVER INDUS, and the neighbouring countries, comprising Sind, parts of Beloochistan and Afghanistan, Cashmeer, Punjab, Bhawalpoor, the protected Sikh States, Bickaneer, and Jaysalmeer; to the western part of Rajpootana. Compiled by order of Government in the office of the Surveyor-General, from authentic and recent materials. April 1834. By J. Graham, Assistant Surveyor and Head Draughtsman. *Scale*, 16 *miles to* 1 *inch*. Folded in case.

Course of the INDUS from Hydrabad to Sehwun, during the inundation; also the river Arrul with the Fulailee from its mouth to the Capital. By A. Whitburn, Midshipman, Indian Navy. *Scale*, ½ *inch to* 1 *mile; size*, 31 *inches by* 26. MS.

Chart of the INDUS from Hyderabad to the Sea. With remarks. By Lieut. Carless. 1836. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 20. MS.

I. Description of the Passage of the Indus at Attock by a bridge of boats (to accompany the Plan) by Lieut. R. Leech, of the Bombay Engineers.
II. Description of the System of the Fords of the River Indus (to accompany the Plan), by Lieut. R. Leech. In 1 vol., fcap., half-bound.

INDUS TUNNEL at ATTOCK. Major A. Robertson, Superintending Engineer.

1. Section of the River Indus at the Seraie at Attock, showing the proposed tunnel. *Scale*, 240 *feet to* 1 *inch; vertical*, 80 *feet to* 1 *inch*.
2. Section of the River Indus at Attock, showing tunnel under river with lifts and footway.
3. Plan of the River Indus showing tunnel with lifts. *Scale*, 160 *feet to* 1 *inch*.
4. Plan of the River Indus near the Fort of Attock, showing two sites for a permanent bridge. *Scale*, 1 *to* 3200.
5. Plans and Elevations, five sheets.
6. Pumping Engine, two sheets.
7. Gas Machinery, five sheets.
8. Lift Machinery.
9. Timbering of Lift Shafts.
10. Details of Framing above Lift Shafts.
11. Details of Lifts.

Sections of Colonel Crommelin's plan.

Report on the RIVER INDUS by Assistant Surgeon J. F. Heddle. May 2, 1836. Fcap., 128 pages, sewed. MS.

Chart of the INDUS RIVER from Mittun to Attock. 1838. By Lieutenant J. Wood, Indian Navy. On 5 sheets. *Size of each*, 29 *inches by* 21; *scale*, 2 *geographical miles to* 1 *inch*.

Sheet 1. Mittun to Dera Ghazee Khan.
" 2, part 1. Dera Ghazee Khan to Leia.
" 2, part 2. Leia to Dera Ismael Khan.
" 3. Dera Ismael Khan to Kalabagh.
" 4. Kalabagh to Attock.

*** With remarks on the navigation, soundings, banks, extent of inundation ferries, &c. *See also* Bombay Selections, No. XVII.

An outline of the RIVER INDUS. Sheet No. 1, containing its course through the Delta from the Efflux of the Hujamree to the City of Tatta. *Scale*, 2 *miles to an inch*. By Lieut. J. Wood, Indian Navy. *Size*, 19 *inches by* 23. With notes and soundings. A continuation of this drawing in an unfinished state is carried through eight sheets to the parallel of Shikarpore.

Chart of the rise and fall of the RIVER INDUS at Bukhur and at Kotree in the years 1844, 1845, and 1846. *Size*, 18½ *inches by* 38.

Q. M. GENERAL'S ROUTE MAPS on the INDUS RIVER. On 5 sheets. 1838–50.

1. Routes between Camp near Vikkur Bunder and Tuttah. Surveyed by the Quartermaster-General's Department, 19th December 1838. *Scale*, 2 *miles to* 1 *inch; size*, 26 *inches by* 18. MS.
2. Route between Tutta and Hyderabad. *Scale*, 2 *miles to* 1 *inch*. Surveyed by the Quartermaster-General's Department, February 1839. *Size*, 26 *inches by* 18. MS.
3. Survey from Kotree near Hyderabad to Sehwan. By the Quartermaster-General's Department, 1839. *Scale*, 2 *miles to* 1 *inch; size*, 42 *inches by* 18. MS.
4. Survey from Sehwan to Larkhanna. By the Quartermaster-General's Department, 1839. *Scale*, 2 *miles to* 1 *inch; size*, 39 *inches by* 26. MS.
5. Routes from Leia to Kalabagh on the right and left banks of the River Indus. Reduced from the original furnished by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General, 1850. *Scale*, 4 *miles to* 1 *inch; size*, 37 *inches by* 29. MS.

Indus Delta.

A Map of the EASTERN MOUTH of the INDUS, and the country between it and the Puchum Island. By Lieutenant Burnes, Deputy Assistant Quartermaster-General in Cutch Camp, Bhooj, March 1827. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 23. MS.

Sketch of the INDUS from the mouth of the TEETEEAH STREAM to HYDRABAD, with the PINYARREE BRANCHES. *Size*, 28 *inches by* 23. MS.

*** The sketch of the Main River represents its lowest state in the month of March; the Pinyarree and Teeteeah branches during the period of inundation in July and August.

Chart of the EASTERN DELTA of the INDUS. Surveyed by Lieut. A. M. Grieve, I.N. 1855–56. *Scale*, 1 *mile to inch; size*, 26 *inches by* 39. MS.

SANAI CREEK. Surveyed by Lieut. A. M. Grieve, I.N. 1855.
Scale, 100 *feet to* 1 *inch; size,* 30 *inches by* 52. MS.
*** With numerous sections.

GORABI CREEK. Surveyed by Lieut. A. M. Grieve, I.N. 1855. *Scale,* 200 *feet to* 1 *inch.* On 3 large sheets, with 51 vertical sections. MS.

Report on the KULLEEREE CANAL, connecting the Indus with Garrah Creek and Kurrachee. By Capt. Le Messurier. With 7 maps and plans. Fcap., sewed.

Indus Steam Flotilla.

Plan, Elevation, and Section of STEAM VESSELS. *Scale,* ⅛ *inch to* 1 *foot; size,* 27 *inches by* 40.

Plan, Elevation, and Section of CARGO BARGE. *Scale,* ⅛ *inch to* 1 *foot; size,* 14 *inches by* 40.

Plans, Sections, &c. of PASSENGER BOAT for the LOWER INDUS. *Scale,* ⅛ *of an inch to* 1 *foot; size,* 18 *inches by* 64. MS. Trace.

PUNJAB CANALS.*

Sirhind Canal.

SIRHIND CANAL. General Plan. *Scale,* 1 *inch to* 1 *mile; size,* 50 *inches by* 27. On tracing cloth. MS. Signed by Lieut.-Col. J. Crofton, R.E., and Capt. R. Home. 1872.

SIRHIND CANAL. General Map showing the branches. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 51. On tracing cloth. MS.

Plan III. SIRHIND CANAL. Block Plan of Head Works and Index to Sections of River and Country. *Scale,* 10 *inches to a mile; size,* 22 *inches by* 31. On tracing cloth. MS.

Plan IV., Sheet 3. SIRHIND CANAL. Detail of Gates for Dam Sluices. *Scale,* 1:100; *size,* 15 *inches by* 23. On tracing cloth. MS.

Plan IV., Sheet 16. SEESOOAN SUPERPASSAGE. Block Plan Showing general dimensions.
Sheet 17. Up stream abutment and torrent works.
Sheet 18. Down stream abutment and torrent works.

Plan VII., Sheet 8. Cross Sections of the SUTLEJ, near ROOPUR,

Longitudinal Section of CANAL, Sheets 1, 2.

SIRHIND CANAL. Cross Sections.

Head Sluices at ROOPUR. *Size,* 23 *inches by* 30.

Details of DAM at ROOPUR. *Size,* 23 *inches by* 30.

BRIDGE at ROOPUR. *Size,* 23 *inches by* 30.

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* For the Punjab Rivers, see pages 233, 234.

Bari Doab Canal.

BARI DOAB CANALS.—1850.

PLAN No. 1. Baree Doab Canals, protraction of levels.
Sheet No. 1 (with a portion of sheet No. 2) showing on an enlarged scale the first 25 miles, being the only difficult portion of the proposed line. *Scale,* 10 *miles to* 1 *foot; size,* 26 *inches by* 39.
PLAN No. 2. Baree Doab Canals, general map.
Sheets Nos. 1 to 5. *Scale,* 25 *miles to* 1 *foot; size of each,* 26 *inches by* 39.
PLAN No. 3. Baree Doab Canals, sections.
Sheets Nos. 1 to 5. *Horizontal scale,* 25 *miles to* 1 *foot; vertical scale,* 10 *feet to* 1 *mile; size of each,* 26 *inches by* 39.
PLAN No. 4. Baree Doab Canals, masonry works.
Sheets Nos. 1 to 6. *Scale for plans,* 1,000 *to* 1; *scale for details,* 100 *to* 1; *size of each,* 26 *inches by* 39.
Signed. J. H. DYAS, Lt. Engineers, Executive Engineer, Baree Doab Canals.
R. NAPIER, Lt.-Col., Civil Engineer, Punjaub.

Plan No. 1. Section of Centre of Main Line, BAREE DOAB CANAL. July 1851. In 2 Sheets, marked Nos. 1 and 2. *Scales, horizontal,* 12 *inches to* 1 *mile; vertical,* 20 *feet to* 1 *mile; size of each sheet,* 26 *inches by* 38. MSS.

BAREE DOAB CANAL, 3rd Division, Kussoor and Sobraon Branches, also position of the Main Line of Canal. *Scale,* 25 *miles to* 1 *foot; size,* 24 *inches by* 48. On tracing cloth. MS.

Sutlej Canal.

Map of part of the country between the SUTLEJ and JUMNA RIVERS, to illustrate the Report on the Sutlej Canal Project. Plan No. 1, General Map. J. Crofton, Captain, R.E. 1862. *Scale,* 8 *miles to* 1 *inch; size,* 24 *inches by* 56.

Bahawalpur Canals.

Map illustrating the levels taken over the BANGUR land in the BHAWULPOOR and portion of the BIKANEER STATES during the years 1869–70. *Scale,* 8 *miles to* 1 *inch.* With documents accompanying, including Mr. Barns' report.

A MS. Sketch of the Irrigation works in BHAWULPOOR on a printed map, with a margined note by H. Grey, June 1873. *Size,* 26 *inches by* 31.

SIND CANALS.

West of the Indus.

Plan No. 1. Map of part of the SHIKARPORE COLLECTORATE on the RIGHT BANK of the RIVER INDUS, showing the line of the proposed CANAL from SUKKUR to SHADADPOOR, together with the levels of the surface of the country, and of the rivers and watercourses. 1859. *Scale,* 2 *miles to* 1 *inch; size,* 24 *inches by* 42.

General Jacob's proposed CANAL from KUSHMORE on the INDUS to JACOBABAD. *On sheets,* 8. S.E. S.W. Indian Atlas.

East of the Indus.

Map of the EASTERN NARRA DISTRICTS from JAMBROW to NOWAKOTE. 1866. *Scale,* 2 *miles to* 1 *inch; size,* 28 *inches by* 56.

Plan of the NARRAH VALLEY from MITROW to WANGA BAZAR in the HYDRABAD COLLECTORATE, showing the levels and the line of the proposed CANAL. *Scale*, 2 *miles to* 1 *inch; size*, 30 *inches by* 50. On tracing cloth. MS.

Sketch illustrating the system of irrigation recommended by a committee on the GANGES CANAL. *Size*, 8 *inches by* 13. On tracing cloth. MS.

Map of the NARRAH VALLEY from SAMARA to near WANGA BAZAR in the HYDERABAD COLLECTORATE, showing the levels and the proposed CANAL from MITROW. *Scale*, 2 *miles to* 1 *inch; size*, 26 *inches by* 20. On tracing cloth. MS.

MITROW and WANGA BAZAR CANAL. Plan and sections of proposed Weir across the Owwud opposite Sehroo-ke-kua. *Size*, 24 *inches by* 26. On tracing cloth. MS.

Plan, section, and elevation of Regulating Bridge at Head of Canal near Bhakora.

Section of the ground from the first to the 32nd mile; from the 32nd to the 61st mile; and from the 61st to the 88th mile, showing the mean depth of Cutting for each mile. *Sheets*, No. 1, 6, 7. *Size of each*, 12 *inches by* 19.

Section of the ground from the 1st to the 9th mile, showing the mean depth of cutting for each mile on the Gabraila branch. *Sheet*, No. 2.

Plan and section of the proposed BAND along the south side of the Reservoirs of the OWWUD.

PLAN of a LOCK to admit of NATIVE BOATS descending the MITROW CANAL into the SILHOORWAH at HINGOORA.

NERBUDDA RIVER.

Plan descriptive of the navigation of the NERBUDDA RIVER from HOOSUNGABAD to the SEA. Compiled in the office of the Surveyor-General of India from Major-General Malcolm's map of Malwa, Lieut. Elison's Trigonometrical Survey of the Nerbudda from Tulluckwarra to Liloor, and a native Itinerary sketch, completed in April 1834, by order of Lord William Bentinck, G.C.B. Calcutta, 5th February 1840. *Scale*, 4 *miles to* 1 *inch; size*, 20 *inches by* 90. MS.

The JUNCTION of the NERBUDDA and KHORWHY RIVERS. Drawn in water colour. *Size*, 12 *inches by* 18.

Journal of a VOYAGE down the NERBUDDA from HINDIAH to MUNDLEYSIR, by Lieut. N. Syme, in 1818. Fcap, 23 pages. MS.

TAPTI CANALS.

Map of portion of SURAT COLLECTORATE, showing lines of proposed CANALS from TAPTEE. 1871. *Scale*, 4 *miles to* 1 *inch; size*, 15 *inches by* 17. On tracing cloth. MS.

Plan and longitudinal Section of portion of RIVER GIRNA,* and adjacent country, showing a site for a lake, and also the position of a bundara and two canals leading from it. 1863. *Size,* 28 *inches by* 36. On tracing cloth. MS.

Note.

Besides the foregoing list of Indian Rivers and Canals, others will be found, as follows:—

The MANUSCRIPT REPORTS and CHARTS of the TRIGONOMETRICAL SURVEY OF INDIA, contain the following River Surveys, viz.:—

In the Reports:—

Ganges River Survey, Vol. 11, Parts 3 and 4; Vol. 12, Part 2.
Gogra River Survey, Vol. 11, Part 3; Vol. 15, Appendix.
Gunduck River Survey, Vol. 11, Part 2.
Hoogly River Survey, Vol. 12, Part 4.
Soane River Survey, Vol. 11, Part 3.

In the Charts:—

Indus River—Great Indus Series.
Sutlej River—Sutlej Series.
Brahmaputra River—Brahmaputra Meridional Series.
Hoogly River—Calcutta Meridional Series.
Gunduck River—Chendwar Meridional Series.
Chenab River—Sutlej Series.
Ravi River—North-west Series.

The CATALOGUE of MARINE CHARTS herein, commencing at page 547, contains many Indian Rivers.

The ADMIRALTY CHARTS also contain the following Indian Rivers:—

Indus Tidal Channels from Manora Point to Keduari Mouth. By W. A. Fenner, 1848–9. Corrected to 1867.
Sedashigar Bay River, and Carwar Port. By Lieut. Taylor, I. N. 1855. Corrections to 1866.
Cochin River Bar and Roadstead. By Lieut. Taylor, I. N. 1858–9. Corrections to 1868.
Hoogly River, Calcutta to Saugur Point. By Com. Lloyd, I. N. 1836. Corrections to 1867. On 2 sheets.
Soonderbunds, sea face of. By Com. Lloyd, I. N. 1840. Corrections to 1863. On 3 sheets. (Outlets of the rivers of the Ganges Delta.)
Mutlah River. By Lieut. Ward, I. N. 1855. Corrections to 1863.
Chittagong or Kurnafoolee River. By Com. Lloyd, I. N. 1840.
Aracan River. By Capts. Lloyd and Weston, I. N. 1832–45. Corrections to 1866.
Irawaddy River. By Lieut. Winsor, R. N. 1825. Corrections to 1869. On 2 sheets.
Rangoon and Bassein or Negrais Rivers. By Lieut. Ward, I. N. 1854.
Salween River. By Lieut. Nolloth, R. N. 1843.
Maulmain River and Amherst Road. By Lieut. Fell, I. N. 1842. Additions to 1868.

Report of the COMMISSION appointed by the Honourable East India Company to visit the RIVERS DANUBE and RHONE with the view of obtaining a conclusive opinion upon the description of boat adapted to the rivers in India. Amended issue. London, 1858. Fcap, printed cover.

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* A branch of the Tapti in Khandesh.

6. MAPS OF THE RAILWAYS OF INDIA.

1. *General Maps.*

Skeleton Map of INDIA showing the LINES of RAILWAY sanctioned, with the distance from the terminus of each line. To accompany Mr. Frere's Letters, No. 34, of 31st January 1858. *Scale,* 100 *miles to* 1 *inch; size,* 20 *inches by* 90. MS. tracing.

Sketch showing the several LINES of RAILWAY in the Presidencies of BENGAL, MADRAS, and BOMBAY. Madras, August 1858. *Size,* 28 *inches by* 23.

Sketch Map of INDIA showing the RAILWAYS, ROADS, and proposed TRAMWAYS by the Indian Tramway Company, Limited. 1862. *Size,* 35 *inches by* 27.

Sketch Map showing RAILWAYS in progress and TRAMWAYS proposed in the Central Province. 1862. *Scale,* 36 *miles to* 1 *inch; size,* 17 *inches by* 20.

Map of INDIA showing the LINES of RAILWAY in the year 1869. *Scale, about* 160 *miles to* 1 *inch; size,* 17 *inches by* 13.

Sketch Map showing proposed lines of LIGHT RAILWAYS for BENGAL. *Scale,* 32 *miles to* 1 *inch; size,* 17 *inches by* 9. Referred to in Railway Letters, No. 24, of 16th March 1864. MS. tracing.

Sketch to accompany REPORT, No. 14. No date. Actual Lines between Mooltan, Allahabad, Bombay, and Madras, in blue; with proposed extensions between Delhi and Indore, Agra and Hyderabad, &c., in red. *Size, inches by* . On tracing cloth. MS.

2. *Calcutta and South-eastern Railway.*

Map showing the proposed communication between CALCUTTA and the head of the MUTLAH RIVER by a Railway or by a Ship Canal. Signed W. E. Baker, Major, Consulting Engineer to Government of India Railway Department. Calcutta, 13 Dec. 1866.

Plans referred to in RAILWAY LETTERS, No. 4, of 1860. On tracing cloth. MS.:—

No. 1. Proposed Terminus at Calcutta. *Size,* 54 *inches by* 72.
No. 2. Approach into Calcutta. *Scale,* 150 *feet to* 1 *inch; size,* 37 *inches by* 90.
No. 3. No title. Part of the line in suburbs. *Scale,* 80 *feet to* 1 *inch; size,* 49 *inches by* 53.

Plan No. 1. Proposed TRAMWAY at MUTLAH. Jan. 1861. *Scale*, 8 *inches to* 1 *mile; size*, 30 *inches by* 30. On tracing cloth. MS.

Sketch Map showing COURSE of LINE. 1863. *Scale*, 4 *miles* to 1 *inch; size*, 30 *inches by* 21.

3. *Eastern Bengal Railway.*

Map of a portion of the DELTA of the GANGES, showing the Projected Lines of Railway and present Routes of Soonderbund Navigation. Oct. 1856. *Scale*, 16 *miles to* 1 *inch; size*, 13 *inches by* 18.

The EASTERN BENGAL RAILWAY, with Branches proposed to be eventually undertaken. Signed W. J. Fergusson, Secretary, E. B. R. Co. London, Feb. 1857. *Size*, 39 *inches by* 28. MS.

Sketch Map showing the EASTERN BENGAL RAILWAY and its Extensions. 1857. *Scale*, 16 *miles to* 1 *inch; size*, 30 *inches by* 22.

Plan and Section of the Line between CALCUTTA and the GANGES at Kooshtee. March 1857. *Scale*, 1 *mile to* 1 *inch*. In 8 sheets, bound together in a cover. *Size*, 22 *inches by* 30.

Portions of Districts MYMENSING and PUBNAH, showing proposed Extensions beyond the GANGES. Referred to in Railway Letter to Secretary of State, No. 77, of 1861. Dated 29th August. *Scale*, 4 *miles to* 1 *inch; size*, 31 *inches by* 31.

Survey of the RIVER GANGES above and below KOOSHTEE, made during the months of January, February, and March and April, 1863. *Scale*, 20 *chains to* 1 *inch; size*, 37 *inches by* 54. On tracing paper. MS.

Plan of the CALCUTTA TERMINUS. *Scale*, 80 *feet to* 1 *inch; size*, 37 *inches by* 78. Referred to in Railway Letter, No. 95, of 17th November 1859. On tracing cloth. MS.

Two Plans referred to in Railway Letter to Secretary of State, No. 25, of 13th May 1862. On tracing cloth. MSS.

No. 1. Survey of the River Ganges above and below Kooshtee, showing the New Channel made by the Ganges at the end of the Freshes in 1861. *Scale*, 20 *chains to* 1 *inch; size*, 27 *inches by* 39.

No. 2. Survey of the River Ganges above and below Kooshtee, executed during December and January 1861-62, showing the alterations made in the Channel of the river arising from the floods in the month of September 1861. *Scale*, 20 *chains to* 1 *inch; size*, 35 *inches by* 84.

Cross Sections of the RIVER GANGES, GORAIE, PUDDAH, and NEW CHANNEL, taken at the end of April 1863. *** Also showing the sections taken in 1862 of the same rivers. *Scales, horizontal*, 20 *chains to* 1 *inch; vertical*, 20 *feet to* 1 *inch; size*, 20 *inches by* 30. On tracing paper. MS.

GOALUNDO EXTENSION, General Plan. Survey of the Line from Jagotee Junction, near Kooshtee to Goalundo. *Scale*, 1 *inch to* 1 *mile; size*, 36 *inches by* 63. On tracing cloth. MS.

Plans referred to in Railway Letter to Secretary of State, No. 60, of 1862. On tracing cloth. MSS.

(No. 1.) Kissengunge District. Plan showing the way in which it is proposed to alter the banks of the rivers near Kissengunge. *Scale*, 80 *feet to* 1 *inch; size*, 27 *inches by* 36.

(No. 2.) Kissengunge District. Longitudinal and cross sections along the lines of piers of the Echamuttee Viaduct. Taken in December 1861. *Scale,* 20 *feet to* 1 *inch; size,* 35 *inches by* 25.

(No. 3.) Longitudinal sections of the junction of the rivers at Kissengunge. *Scales, horizontal,* 80 *feet to* 1 *inch; vertical,* 10 *feet to* 1 *inch; size,* 25 *inches by* 37.

(No. 4.) Survey of the junction of the rivers at Kissengunge, showing the alterations made by the floods of 1861. *Scale,* 80 *feet to* 1 *inch; size,* 25 *inches by* 37.

(No. 5.) Cross section showing the way in which it is proposed to alter the banks of the rivers near Kissengunge. *Scale,* 20 *feet to* 1 *inch; size,* 15 *inches by* 37.

4. *Northern Bengal Railway.*

NORTHERN BENGAL RAILWAY SURVEY. Enclosure to Railway Letter, No. 10, of 1873. *Size,* 28 *inches by* 38.

The DARJEELING RAILWAY. Map showing the Station of DARJEELING, with the proposed Line of Railway and its connexion with the East Indian Railway. No date. *Scale,* 25 *miles to* 1 *inch; size,* 24 *inches by* 26.

Another copy with alterations.

5. *Calcutta and South-western (Nagpore) Railway (proposed).*

CALCUTTA and SOUTH-WESTERN RAILWAY. Hamilton H. Fulton, Inst. C.E. No date. *Scale,* 64 *miles to* 1 *inch; size,* 17 *inches by* 21. MS.

Surveys for a RAILWAY from NAGPORE towards CHUTTEESGURH. Enclosure to No. 68, Railway Letters, 1872. *Scale,* 4 *miles to* 1 *inch; size,* 3 *feet by* 6. On tracing cloth. MS.

Sketch Map showing RAILWAYS in progress and TRAMWAYS proposed in the CENTRAL PROVINCES. 1862. *Size,* 16 *inches by* 20.

6. *East Indian Railway.*

Plans, &c. of the RAILWAY SLIP at CALCUTTA, by J. M. Seppings, Surveyor. Calcutta, 13th September 1842:—

No. 1. Cradle of the Railway Slip. *Scale,* ½ *inch to* 1 *foot; size,* 22 *inches by* 81. MS.

No. 2. Plan of machinery, &c. *Scale,* ½ *inch to* 1 *foot; size,* 15 *inches by* 27. MS.

No. 3. Sections of machinery, &c. *Scale,* ½ *inch to* 1 *foot; size,* 14 *inches by* 23. MS.

No. 4. General arrangements. *Scale,* 1/12 *inch to* 1 *foot; size,* 14 *inches by* 44. MS.

Map of the EAST INDIAN RAILWAY, showing the line proposed to be constructed to connect Calcutta with the North-west Provinces and the intermediate civil and military stations, to accompany the Report of the Managing Director of the East Indian Railway Company. 1846. *Scale,* 25 *miles to* 1 *inch;* mounted to fold in a case; *size,* 11 *inches by* 8.

*** Shows also the geological features.

Section of the TRUNK LINE of the EAST INDIAN RAILWAY connecting Calcutta, viâ Mirzapore, with the North-west Provinces. To accompany the Report A., 1847 of the Managing Director to the Chairman, &c. of the East Indian Railway Company. 1847. *Scales, horizontal,* 5 *miles to* 1 *inch; vertical,* 200 *feet to* 1 *inch; size,* 9 *inches by* 169.

Map of the proposed GRAND TRUNK RAILWAY, with its branches and alternative lines, as laid down in the Report of the Railway Commission. To accompany the 3rd edition of "Indian Railways." Also showing the railway advocated by Mr. Andrew. *Size,* 22 *inches by* 30.

Map showing the general course of the EAST INDIAN RAILWAY. *Scale,* 32 *miles to* 1 *inch; size,* 15 *inches by* 26.

Map of the DRAINAGE crossing the proposed Line of Railway through the GANGES VALLEY. Reduced from the Revenue Survey Maps. Copied in the S. G. O. Calcutta, May 1853. *Scale,* 16 *miles to* 1 *inch; size,* 17 *inches by* 28. MS.

Outline Map of the RAILWAY in progress between HOWRAH and RANEEGUNJ. The proposed extension to Allahabad, viâ Rajmahal, Baugulpoor, and Mirzapoor, and alternative routes by Bettiah Ghat and by the Valley of the River More. 1853. *Scale,* 8 *miles to* 1 *inch; size,* 30 *inches by* 58. On tracing cloth. MS.

MORE VALLEY LINE. Trial section from SOOREE to BHAUGULPOOR. 1853. *Scales, horizontal,* 1 *mile to* 1 *inch; vertical,* 80 *feet to* 1 *inch; size,* 15 *inches by* 132. On tracing cloth. MS.

SOOREE DIVISION. Cuttings and embankments. March 1854. *Scale,* 10 *feet to* 1 *inch; size,* 27 *inches by* 40. MS.

Trial Section of the proposed Line of Railway from RAJMAHAL to MONGHYR. 1853. *Scales, horizontal,* 1 *mile to* 1 *inch; vertical,* 80 *feet to* 1 *inch; size,* 15 *inches by* 133. On tracing cloth. MS.

Trial Section of the proposed Line of Railway from MONGHYR to the RIVER SOANE. 1853. *Scales, horizontal,* 1 *mile to* 1 *inch; vertical,* 80 *feet to* 1 *inch; size,* 15 *inches by* 141. On tracing cloth. MS.

Trial Section of the proposed Line of Railway from RIVER SOANE to BENARES. 1853. *Scales, horizontal,* 1 *mile to* 1 *inch; vertical* 80 *feet to* 1 *inch; size,* 15 *inches by* 130. On tracing cloth. MS.

Designs for a proposed Bridge to cross the RIVER SOANE. Signed G. Turnbull, 4th November 1854. *Scale,* 20 *feet to* 1 *inch; on* 5 *sheets; size of each, about* 12 *inches by* 188. MS.

Plan and Sections of proposed Crossing of the RIVER SOANE, showing the position of the shafts and boring. Signed George Turnbull, Calcutta, 4th November 1854. *Scales,* 150 *feet and* 15 *feet to* 1 *inch; on* 2 *sheets; size of each,* 25 *inches by* 34. MSS.

Details of proposed Wrought-iron Girder Bridge to cross the RIVER SOANE. Signed Geo. Turnbull, 4th November 1854. *Scale,* 1¼ *inch to* 1 *foot, and* 4 *feet to* 1 *inch; on* 4 *sheets; size of each,* 27 *inches by* 40. MSS.

Map (of the EAST INDIAN RAILWAY) to accompany the Report of Directors, dated 15th April 1856. *Size,* 27 *inches by* 39.

*** Showing the portions allotted to different contractors for construction.

Section showing proposed alteration of Gradients at the GAMBRIA NUDDY. July 1857. *Size,* 10 *inches by* 41. On tracing cloth. MS.

SOUTH BEERBHOOM DIVISION. Khurree Bridge. (Plan, sections, and elevation.) *Scale,* 8 *feet to* 1 *inch; size,* 27 *inches by* 40. MS.

Sketch Plan showing DADPOOR JHEEL. Signed G. Turnbull, 10th July 1857. *Scale,* 1 *mile to* 1 *inch; size,* 12 *inches by* 9. On tracing cloth. MS.

Trace from Part of Sheet No. 4, SOUTH RAJMAHAL DIVISION, showing proposed site of openings, Dadpur Jheel. July 1857. *Size,* 13 *inches by* 31. On tracing cloth. MS.

SOUTH RAJMAHAL DISTRICTS. Section showing site originally proposed for the Flood Arching at Dadpoor Jheel. July 1857. *Size,* 10 *inches by* 28. On tracing cloth. MS.

Bridge over the HADJAI RIVER, and Bridge over the MORE RIVER, showing the state of the works at the commencement of the rainy season, 1857. *Scale,* 40 *feet to* 1 *inch; size,* 12 *inches by* 53. On tracing cloth. MS.

SEETAPAHAR ROCK CUTTING near Rajmahal. August 1858. *Scales,* 200 *feet and* 20 *feet to* 1 *inch; size,* 11 *inches by* 27. On tracing cloth. MS.

PLANS, signed George Turnbull, 7th July 1858. On tracing cloth. MSS.:—

(1.) Plan and Section of proposed Extension Railway from Raneegunge Station to Searsole Colliery. *Scales, horizontal,* 300 *feet to* 1 *inch; vertical,* 30 *feet to* 1 *inch; size,* 25 *inches by* 59.

(2.) Sketch Plan showing a proposed Extension to the Grand Trunk Road for the accommodation of the neighbouring collieries. *Scale,* 500 *feet to* 1 *inch; size,* 35 *inches by* 28.

Sketch of proposed TIMBER FRAMING, placed temporarily on Piers and Inverts, to expedite the opening of the line where labour is scarce. Oct. 1858. *Scale,* 4 *feet to* 1 *inch; size,* 18 *inches by* 37. On tracing cloth. MS.

BRIDGES in SOANE DISTRICT, signed G. Turnbull, and dated 18th August 1858.

(1.) Arching over the Doomree Nullah at peg 79,100, and arching at peg 85,950. *Scale,* 20 *feet to* 1 *inch; size,* 13 *inches by* 28.

(2.) Bridge over Thora Nullah at 12 miles. *Scale,* 20 *feet to* 1 *inch.*
Also Poonpoon Bridge. Drawing showing work executed 7 miles East of Patna. *Scale,* 40 *feet to* 1 *inch; size,* 11 *inches by* 40.

(3.) Arching at 58 miles 3½ furlongs, near Dumraon, Kao Nullah. *Scale,* 20 *feet to* 1 *inch; size,* 12 *inches by* 27.

(4.) Elevations of the Bunnas Bridge at 37 miles 3 furlongs, the Nuggree Bridge at 25 miles 1 furlong, and the Sihur Bridge at 23 miles 3 furlongs. *Scale,* 20 *feet to* 1 *inch; size,* 15 *inches by* 47.

(5.) Bridge over the River Kurrumnassa. *Size,* 7 *inches by* 24.

(6.) Bridge over the Hadjai River, 32 arches, 50 feet span; and Bridge over the More River, 24 arches, 50 feet span. *Scale,* 40 *feet to* 1 *inch; size,* 12 *inches by* 55. (Showing the parts built up to date.)

Plans referred to in RAILWAY LETTER, No. 4, of 31st January 1859. On tracing cloth. MSS.:—

(1.) Well Curbs for Foundations used in Cawnpore District. *Size,* 14 *inches by* 14.

(2.) Plan of Curb for Bottom of Wells, Lower Pandoo Bridge. *Scale,* 1 *foot to* 1 *inch; size,* 22 *inches by* 15.

Sketch referred to in GEO. TURNBULL'S LETTER of 28th March 1859. *Scale,* 25 *miles to* 1 *inch; size,* 13 *inches by* 23. On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to SECRETARY OF STATE, No. 68 of 1859. Enclosed in G. Turnbull's No. 1740, dated 27th May 1859. On tracing cloth. MSS. :—

(1.) Proposed Extension from Raneegunge to the River Barrakur. Map showing the several Lines of the Trial Sections taken January, February, and March, 1859. *Scale,* 1 *mile to* 1 *inch; size,* 29 *inches by* 49.

(2.) Outline Map showing the present River Line by Rajmahal, Monghyr, and Patna to Benares; also the Line to Raneegunge and its proposed Extension to the River Barrakur; also showing a practicable route from a point near the Barrakur through the Kurhurbalee Coal Field and on to Patna, recommended for investigation whenever a direct route to Benares may be again brought under discussion. *Scale,* 8 *miles to* 1 *inch; size,* 29 *inches by* 50.

(3.) Proposed Branch Lines up the Valley of the River Singarron. Plan of a Trial Section made in April 1859. *Scale,* 4 *miles to* 1 *inch; size,* 14 *inches by* 47.

Map of the Railway Line from TONSE RIVER to the Borders of the CAWNPORE and ETAWAH Districts, showing stations and level crossings. No date, 1860? *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 60. On tracing cloth. MS.

MONGHYR DISTRICT. Longitudinal section of Monghyr Tunnel, denoting the progress of the excavation from its commencement in April 1856 up to September 1860, and the rock formation. *Scale,* 10 *feet to* 1 *inch; size,* 30 *inches by* 147. On tracing cloth. MS.

JUMNA BRIDGE at ALLAHABAD. Drawing of one pier. *Scale,* 4 *feet to* 1 *inch; size,* 26 *inches by* 30. Referred to in Railway Letter, No. 105, of 1860. On tracing cloth. MS.

Comparative Sections of the RIVER JUMNA at ALLAHABAD. *Scales,* 100 *feet and* 10 *feet to* 1 *inch; size,* 30 *inches by* 45. On tracing cloth. MS. Referred to in Railway Letter, No. 29, of 19th April 1861.

Skeleton Map showing the Surveys for the JUBBULPORE LINE, E. I. Railway. July 1860. *Scale,* 4 *miles to* 1 *inch; size,* 66 *inches by* 30. On tracing cloth. MS.

A Map of the Country about MONGHYR, showing the lines of railway. No title. *Scale,* 1 *mile to* 1 *inch; size,* 18 *inches by* 16. On tracing cloth. MS.

Permanent Ways. LUCKNOW and CAWNPORE LINE and EAST INDIAN RAILWAY. Marked No. 1.* *Scale,* 2 *feet to* 1 *inch; size,* 26 *inches by* 32. On tracing cloth. MS.

EAST INDIAN RAILWAYS. Permanent Ways. Marked No. 3.* *Size,* 26 *inches by* 40. On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to the SECRETARY OF STATE, No. 73, of 8th October 1859. On tracing cloth. MSS.

No. 1. Monghyr District. General map showing position of proposed branch line. *Size,* 16 *inches by* 21.

No. 2. Plan showing proposed branch line from Jamalpoor Station to the River Ganges at Monghyr. With survey of roads leading from Monghyr to Safiabad and Nowaghuray. *Scale,* 600 *feet to* 1 *inch; size,* 30 *inches by* 51.

* For Nos. 2 and 4 see Oudh Railway.

Railway Lines in MONGHYR DISTRICT. No title or date. *Scale,* 1 *mile to* 1 *inch; size,* 18 *inches by* 17. On tracing cloth. MS.

DRAWINGS of ROLLING STOCK. Referred to in Railway Letter from Government of India, No. 85, of 27th October 1859. Marked A, Ai, B, C, D, E, F. On tracing cloth. MSS. Various sizes.

Plan of the Country between CHANDERNAGORE and CALCUTTA, showing the lines of the E. I. R. and E. B. R., and the proposed junction between them. 1858. Referred to in Railway Letter to Secretary of State, No. 15, of 28th March 1860. *Scale,* 1 *mile to* 1 *inch; size,* 13 *inches by* 26. No title. On tracing cloth. MS.

Plans of the AGRA TERMINUS and STATION. Referred to in Railway Letter, No. 77, of 1860. On tracing cloth. MSS.

(1.) General Plan of Agra Terminus. *Scale,* 60 *feet to* 1 *inch; size,* 38 *inches by* 90.

(2.) Agra Passenger Shed. (Plan.) *Scale,* 8 *feet to* 1 *inch; size,* 32 *inches by* 68.

(3.) Agra Passenger Shed. Cross section and elevations of North-east and South-west fronts. *Scale,* 8 *feet to* 1 *inch; size,* 37 *inches by* 29.

(4.) Agra Passenger Shed. Longitudinal section on centre line of building and railway, and side elevation. *Scale,* 8 *feet to* 1 *inch; size,* 24 *inches by* 69.

Plan of the proposed Work to defend the Railway Bridge over the JUMNA at DELHI. *Scale,* 20 *feet to* 1 *inch; size,* 27 *inches by* 38. Tracing cloth. MS. Referred to in Railway Letter, No. 52, of 8th October 1862.

DELHIE DISTRICT. Plan of a Portion of the City of Delhie, showing centre Line of Railway. *Scale,* 150 *feet to* 1 *inch; size,* 26 *inches by* 41. Tracing cloth. MS. Referred to in Railway Letter, No. 52, of 8th October 1862.

No. 1. DELHIE DIVISION, P. W. Sections across Selimghur and the low ground at the N.E. angle of the Palace (Delhi). *Scales,* 100 *feet and* 20 *feet to* 1 *inch; size,* 39 *inches by* 30. Referred to in Railway Letter to Secretary of State, No. 54, of 17th October 1862. On tracing cloth. MS.

No. 2. Plan and Section showing JUMNA BRIDGE, DELHIE, and EAST APPROACH. *Scale,* 150 *feet to* 1 *inch; size,* 21 *inches by* 52. Referred to in Railway Letter, No. 54, dated 17th October 1862. On tracing cloth. MS.

No. 3. Alterative Designs for Bridge Head at DELHIE. *Scale,* 30 *feet to* 1 *inch; size,* 9 *inches by* 19. Referred to in Railway Letter, No. 54, of 17th October 1862. On tracing cloth. MS.

DELHIE DISTRICT. Plan of a Portion of the City of Delhie, showing centre line of railway. *Scale,* 150 *feet to* 1 *inch; size,* 22 *inches by* 43. Referred to in Railway Letter, No. 54, of 17th October 1862. On tracing cloth. MS.

Drawings of BEERBHOOM DISTRICT. Referred to in Railway Letter to Secretary of State, No. 63, dated 7th September 1863:—

No. 1. Ground Plan of the Buckesoor River, 107th to 108th mile. *Scale,* 150 *feet to* 1 *inch; size,* 37 *inches by* 42.

No. 2. Drawing of flood arches near the 108th mile from Howrah and 370 yards south of the Buckesoor Bridge as they were originally constructed in 1855–56. *Scale,* 8 *feet to* 1 *inch; size,* 26 *inches by* 37.

No. 3. Drawing showing the condition of the flood arches after the flood of the 24th October 1862. *Scale,* 8 *feet to* 1 *inch; size,* 27 *inches by* 30.

No. 4. Sections along line of railway, &c. No title. *Size,* 11 *inches by* 37.

No. 5. Extra four openings of 60 feet south of the Buckesoor River. *Scales,* 8 *feet and* 4 *feet to* 1 *inch; size,* 37 *inches by* 48. On tracing cloth. MSS.

BENARES TERMINUS. Plan showing general arrangements. *Scale,* 60 *feet to* 1 *inch; size,* 30 *inches by* 67. Referred to in Railway Letter, No. 84, of 31st December 1863. On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to SECRETARY of STATE, No. 7, of 1864. On tracing cloth. MSS.

(1.) Benares District. Course and levels of drainage from Buckainea to Ganges and Karumnassa Rivers. *Scale,* 1 *mile to* 1 *inch; size,* 16 *inches by* 21.

(2.) Soane District, Buxar Division. Plan and section of River Karumnassa. *Scales,* 200 *feet and* 20 *feet to* 1 *inch; size,* 26 *inches by* 70.

CAWNPORE DISTRICT. Proposed Junction of the Indian Branch with the East Indian Railway at Cawnpore. 15th February 1865. *Scale,* 150 *feet to* 1 *inch; size,* 28 *inches by* 59. Lithograph.

Plan of a portion of the CITY of DELHIE, showing the proposed communication with the intended Railway Station. March 1865. *Scale,* 300 *feet to* 1 *inch; size,* 21 *inches by* 37. On tracing cloth. MS.

General Plan of GAZEEABAD STATION. March 1865. *Scale,* 60 *feet to* 1 *inch; size,* 27 *inches by* 88. On tracing cloth. MS.

Plan (of CALCUTTA) to accompany Mr. Rendel's Report to the Board of the East Indian Railway Company, dated 24th October 1865. (Showing the proposed bridge over the Hooghly, and the extension of the East Indian Railway to connect with the Eastern Bengal Railway.) *Scale,* 6 *inches to* 1 *mile; size,* 32 *inches by* 63. On tracing cloth. MS.

Map of CANTONMENT at MEERUT, taken from actual survey in 1860. Showing actual and proposed boundaries. *Scale,* 8 *inches to* 1 *mile.*

*** Showing also the line of Delhie Railway and the positions of the Meerut Station. 1866. *Size,* 39 *inches by* 54.

Proposed Extension of the EAST INDIAN RAILWAY to SCALDAH by subway under the River Hoogly, by Fred. Chas. Danvers, A.I.C.E. February 1868. *Size,* 30 *inches by* 54. On tracing cloth. MS.

TUBULAR TUNNEL under the HOOGLY. (Plans and Sections.) Signed J. A. Longridge. 9th March 1868. *Scale,* 50 *feet and* 10 *feet to* 1 *inch; size,* 27 *inches by* 77.

TUBULAR TUNNEL under the HOOGLY. (Transverse Section and Elevation.) Signed J. A. Longridge. 9th March 1868. *Scale,* ½ *inch to* 1 *foot; size,* 24 *inches by* 57. MS.

7. *Oudh and Rohilkhand Railway.*

OUDE RAILWAY. Map showing the Territory of Oude, with the proposed Lines of Railway, and their Connexion with the East Indian Railway. *Scale,* 25 *miles to* 1 *inch; size,* 24 *inches by* 35.

Plan and Section of proposed Cast-iron Permanent Way for ROHILCUND RAILWAYS. June 1860. *Scale,* ¼ *natural size; size,* 20 *inches by* 25 On tracing cloth. MS.

Plan of Part of the NORTH-WEST PROVINCES, showing proposed Railroad and Roads in Rohilcund. 29th May 1861. *Scale,* 16 *miles to* 1 *inch; size,* 23 *inches by* 31.

NORTHERN EXTENSION, showing proposed Routes to Mozuffernuggur and Saharanpoor (to accompany Report). *Scale,* 4 *miles to* 1 *inch ; size,* 28 *inches by* 27. On tracing cloth. MS.

PERMANENT WAY. Rail and Sleeper. Sections and Elevation. Nos. 2 and 4. On 2 sheets. *Size,* 23 *inches by* 37. On tracing cloth. MSS.

*** Nos. 1 and 3 of this series relate to the East India Railway, and are to be found accordingly in page 147.

Map to accompany REPORT of COMMITTEE assembled on 13th November 1867 to inquire into certain matters connected with the Oude and Rohilcund Railways. *Scale,* 25 *miles to* 1 *inch ; size,* 13 *inches by* 16. On tracing cloth. MS.

Map of OUDE and ROHILCUND, showing the Lines of Railway originally proposed and referred to Government, and those sanctioned by Government. May 20th, 1869. *Size,* 27 *inches by* 32.

8. *Rajputana Railways.*

Part of RAJPOOTANA, Sheet No. 4, with a Railway Line from Delhi to Ajmeer, recommended by Mr. Sibley. Also a branch through Bhurtpore to Agra, recommended by Mr. Sibley, and an alternative line between Rewaree and Jeypore, &c. *Size,* 27 *inches by* 40.

RAJPOOTANA. Railways completed. Branch railway proposed in paragraph 6 of the Railway Committee Report of 6th April 1866. Railways proposed by the Agent of the Governor-General, Rajpootana. Railway extension to Scinde as contemplated. No title. *Scale,* 24 *miles to* 1 *inch ; size,* 25 *inches by* 31. On tracing cloth. MS.

Part of RAJPOOTANA, Sheet No. 4, with the Railway from Delhi to Rewaree, and Agra to Sambar Lake. Enclosure to Railway Letter, No. 143, of 1871. *Size,* 41 *inches by* 38.

9. *Punjab Railway.*

Map of Country between LAHORE and DELHI, showing Lines of Railway, &c. *Scale,* 4 *miles to* 1 *inch ; size,* 22 *inches by* 40. Lithograph.

PUNJAB RAILWAY. Passenger Station, Umritsur (Plan, Section, and Elevation). *Scale,* 10 *feet to* 1 *inch ; size,* 27 *inches by* 40. On tracing cloth. MS. Referred to in Railway Letter, No. 76, of 1860.

Plan showing arrangement of the UMRITSUR STATION. Sept. 1859. *Scale,* 2 *chains to* 1 *inch ; size,* 15 *inches by* 27. On tracing cloth. MS. Referred to in Railway Letter, No. 93, of 11th Nov. 1859.

Plan showing General Arrangement of LAHORE STATION. July 1859. *Scale,* 2 *chains to* 1 *inch ; size,* 19 *inches by* 50. On tracing cloth. MS. Referred to in Railway Letter, No. 93, of 11th Nov. 1859.

Running Engine Shed, UMRITSUR STATION. *Scale,* 10 *feet to* 1 *inch ; size,* 32 *inches by* 37. On tracing cloth. MS. Referred to in Railway Letter, No. 76, of 1860.

Plan of Proposed New Line to BUNDERGHAH, MOOLTAN. Dec. 1866. *Scale,* 20 *chains to* 1 *inch ; size,* 23 *inches by* 29. On tracing cloth. MS.

10. *Peshawar Railway* (*Punjab*).

Plan of Line to RAWUL PINDI, showing proposed Divisions of Works. June 1868. *Scale*, 16 *miles to* 1 *inch; size*, 20 *inches by* 25. One MS. copy and lithographs.

11. *Hindostan and Central Asia Railway* (*proposed*).

Proposed HINDOSTAN AND CENTRAL ASIA RAILWAY. Ludvana to Mandi. Signed A. Ormsby, C.E. *Size*, 14 *inches by* 9. Lithograph.

Sketch Map of the proposed HINDOSTAN AND CENTRAL ASIA RAILWAY. Signed G. W. Owen. March 1867. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 30. Lithograph.

12. *Bombay Railways, General Maps.*

Map of Portion of WESTERN INDIA, showing the Lines of Railway under the Bombay Government. Compiled at the Office of the Chief Engineer, Bombay, 27th August 1860. *Scale*, 12 *miles to* 1 *inch; size*, 53 *inches by* 45. MS.

Skeleton Map of the BOMBAY PRESIDENCY, showing the proposed Trunk Roads in the Deccan and Southern Mahratta Country.

> *** Also the Great Indian Pacific Railway from Sholapoor to Bombay, and Captain Graham's proposed Railway from Poonah to Meeruj and Kolar. No date. *Size*, 14 *inches by* 11. Connected with the next map.

Map showing the projected BARODA and TANKARIA RAILWAY, the alternative line to Ambheta, and the proposed line from Surat to Baroda, and thence to Indora and Agra, with the Branch Line to Ahmedabad. No date.

> *** Also in MS. the Great Indian Pacific Railway from Bombay to Burhampur, and Capt. Graham's proposed Railway to Nagpore. *Size*, 15 *inches by* 11.

Route Map of the BOMBAY PRESIDENCY, surveyed and collected by the Quartermaster-General's Department, Bombay Army. *** Showing in MS. the Lines proposed by the Bombay, Baroda, and Central India Railway Company, and the Line proposed by the Great Indian Peninsular Railway Company from Bombay to Candeish. Accompaniment to Letter to Secretary to Government, No. 118, dated 31st May 1854. *Scale*, 20 *miles to* 1 *inch; size*, 58 *inches by* 36.

A Series of Maps, Views, and Tables by Colonel Kennedy.

1. Tracing of the HARBOUR of BOMBAY and adjacent Country from the Admiralty Chart. The part coloured red shows the land that can be reclaimed to provide for the increasing requirements of the Mercantile Capital of India. With plans of Liverpool and New York for comparison, and a proposed Subway for the Bombay, Baroda, and Central India Railway in Back Bay. *Size*, 52 *inches by* 82. Mounted to roll. Partly MS.

2. Average CARTAGE DISTANCES to nearest RAILWAY in different countries compared. A Diagram of proportional squares, with a Table of the Cost of Cartage, and a Financial Scheme for Public Works. *Size*, 52 *inches by* 56. Mounted to roll. Partly MS.

3. A Skeleton Map to accompany the Report on the HINDOSTAN and THIBET ROAD for 1855, with views of the Road. Also a Map of the Island of Cephalonia, and Views. Also Tables of Railways in the United States, France, and the British Isles, &c. *Size*, 50 *inches by* 52. Mounted to roll. Partly MS.

4. Comparative Railway Maps of INDIA, GREAT BRITAIN, FRANCE, BELGIUM, and part of the UNITED STATES. *Size*, 35 *inches by* 50. Mounted to roll. MS.

5. The Rainfall Basins of INDIAN RIVERS, including their Tributaries. *Size*, 58 *inches by* 68. On roller. MS.

13. *Sind Railway.*

Map of GUZERAT and SCINDE, showing the Lines of a proposed Railway Company. (No date; probably about 1854.) *Scale*, 20 *miles to* 1 *inch*; *size*, 22 *inches by* 17.

SCINDE RAILWAY. General Plan of Line. *Scale*, 4 *miles to* 1 *inch*; *size*, 22 *inches by* 30.

Map of SCINDE showing the proposed Railway from Kurrachee to Kotree, the port of Hydrabad, with a branch to Jurruk. *Scale*, 20 *miles to* 1 *inch*; *size*, 24 *inches by* 16.

SCINDE RAILWAY. Kurrachee and Environs. January 1857. *Scale*, 800 *feet to* 1 *inch*; *size*, 36 *inches by* 80. On tracing cloth. MS.

Drawing No. 206. SCINDE RAILWAY, Kurrachee District. Section of Alternative Line from Kramaree. October 28th, 1858. *Scale*, 4 *chains to* 1 *inch*; *size*, 19 *inches by* 129. On tracing cloth. MS.

Drawing No. 207. SCINDE RAILWAY, Kurrachee District. Bund over the Chinnee Creek. Oct. 28, 1858. *Scale*, 5 *feet to* 1 *inch*; *size*, 23 *inches by* 38. On tracing cloth. MS.

SCINDE RAILWAY. No. 1. Plan. Sukkur to Scinde Frontier. Route to the Bholan Pass. May 15th, 1858. *Scale*, 20 *chains to* 1 *inch*; *size*, 38 *inches by* 269. MS.

SCINDE RAILWAY. No. 2. Section. Sukkur to Scinde Frontier. Route to the Bholan Pass. May 15th, 1858. *Scales*, 20 *chains and* 20 *feet to* 1 *inch*; *size*, 26 *inches by* 249. MS.

Plan of the Line from KEAMAREE to GHUZREE. October 28th, 1858. *Scale*, 800 *feet to* 1 *inch*; *size*, 37 *inches by* 99. On tracing cloth. MS.

Drawing No. 44. Plan of the original and alternative Lines between KURRACHEE and KEAMAREE. June 1859. *Scale*, 800 *feet to* 1 *inch*; *size*, 37 *inches by* 56. On tracing cloth. MS.

Plan showing Station (at Keamaree) as originally designed. Also Plan showing the approach which the adoption of Mr. Walker's line close to the Napier Mole would entail. April 27th, 1860. *Size*, 37 *inches by* 30. On tracing cloth. MS.

Drawing No. 112. SCINDE RAILWAY, Kurrachee District Plan of Line. January 4th, 1860. *Scale*, 4 *chains to* 1 *inch*; *size*, 38 *inches by* 68. Two copies on tracing cloth. MSS.

Map of SCINDE and the Punjab, showing the Line of Steam Transit along the Valley of the Indus. (Also the Railways in connexion therewith). 1861. *Size, 22 inches by* 17.

Map showing proposed ROUTE of the INDUS VALLEY RAILWAY. Compiled by John Brunton, M.I.C.E., &c., Chief Engineer of the Indus Valley Survey. 1863. *Scale,* 20 *miles to* 1 *inch; size,* 27 *inches by* 22.

Section of alternative Line from KEAMAREE to CLIFTON CROSSING. 7th February 1863. *Scales,* 4 *chains and* 20 *feet to* 1 *inch; size,* 11 *inches by* 112. Two copies on tracing cloth. MSS.

Drawing No. 518. SCINDE RAILWAY. INDUS STEAM FERRY. February 1863. *Scale,* ½ *an inch to* 1 *foot; size,* 26 *inches by* 39. On tracing cloth. MS.

Drawing No. 524. SCINDE RAILWAY. INDUS FERRY. Sections on Inclined Way, Hydrabad Side. April 15th, 1863. *Scale,* 20 *feet to* 1 *inch; size,* 15 *inches by* 61. On tracing cloth. MS.

Plan of KURRACHEE HARBOUR, showing the Lines to Keamari, to accompany the Chief Engineer's Report. Dated 20th March 1863. *Scale,* 250 *yards to* 1 *inch; size,* 25 *inches by* 30. On tracing cloth. MS.

Plan of KOTREE and ENVIRONS, to accompany Mr. Pinder's Report. February 28th, 1863. *Scale,* 4 *chains to* 1 *inch; size,* 34 *inches by* 49. On tracing cloth. MS.

SCINDE RAILWAY. Alternative Line. Proposed temporary Line over Chinnee Creek. February 7th, 1863. *Scale,* 2 *feet to* 1 *inch; size,* 23 *inches by* 37. On tracing cloth. MS.

SCINDE RAILWAY EXTENSION. General Map of the Country showing the Trial Section run through the Roree Districts, in the season 1863–64; and the altered and adopted line run in the season 1864–65. *Scale,* 4 *miles to* 1 *inch; size,* 37 *inches by* 54. On tracing cloth. MS.

Drawing No. 25. SCINDE RAILWAY EXTENSION. Indus Valley. General Map of the Country showing the alternative lines to accompany Chief Engineer's Report, No. 312, of 18th June 1864. *Scale,* 4 *miles to* 1 *inch; size,* 36 *inches by* 148. On tracing cloth. MS.

Drawing No. 27. SCINDE RAILWAY EXTENSION. Sectional lines crossing the valley of the River Indus. 19th June 1865. *Scales,* 50 *chains and* 40 *feet to* 1 *inch; size,* 75 *inches by* 10. On tracing cloth. MS.

SCINDE RAILWAY. Plan No. 1. May 7, 1866. *Scale,* 2 *miles to* 1 *inch; size,* 68 *inches by* 38. On tracing cloth. MS.

SCINDE RAILWAY. Section No. 4. Dated May 7, 1866. *Horizontal scale,* 20 *chains to* 1 *inch; vertical scale,* 50 *feet to* 1 *inch; size,* 2 *feet by* 23. On tracing cloth. MS.

Section No. 6. Same date and scales. *Size,* 2 *feet by* 37. On tracing cloth. MS.

Section No. 7. Same date and scales. *Size,* 2 *feet by* 30. On tracing cloth. MS.

Section No. 8. Same date and scales. *Size,* 2¼ *feet by* 13. On tracing cloth. MS.

Section No. 9. Dated May 7, 1866. *Scale, horizontal*, 2 *miles to* 1 *inch; vertical*, 400 *feet to* 1 *inch; size*, 18 *inches by* 68. On tracing cloth. MS.

14. *Indus Valley Railway.*

SCINDE RAILWAY. Plan. Sukkur to Scinde Frontier, Route to the Bholan Pass. Wm. Brunton, Chief Engineer, Punjab Railway, May 15th, 1858. *Scale*, 20 *chains to* 1 *inch; size*, 3 *feet by* 22. MS.

SCINDE RAILWAY. Section. Sukkur to Scinde Frontier, route to the Bholan Pass. *Horizontal scale*, 20 *chains to* 1 *inch; vertical scale*, 20 *feet to* 1 *inch; size*, 2 *feet by* 20. MS.

SCINDE RAILWAY. Map showing proposed route of the Indus Valley Railway. 1863. *Scale*, 20 *miles to* 1 *inch; size*, 27 *inches by* 22. Also copies of the same map, being "portion of the accompaniments referred to in letter "to Her Majesty's Secretary of State for India, No. 38, dated 8th September, "1866." On tracing cloth. MS.

INDUS VALLEY. General Map of the Country, showing the alternative lines. To accompany Chief Engineer's Report, No. 312, of 18th June 1864. John Brunton, Chief Engineer. *Scale*, 4 *miles to* 1 *inch; size*, 3 *feet by* 12. On tracing cloth. MS.

Drawing No. XXVII. SCINDE RAILWAY EXTENSION. Sectional Lines crossing the Valley of the River Indus, as laid down on the accompanying general map. John Brunton, Chief Engineer. 19th June 1865. *Horizontal scale*, 50 *chains to* 1 *inch; vertical scale*, 40 *feet to* 1 *inch; size*, 1½ *feet by* 6. On tracing cloth. MS.

SCINDE RAILWAY EXTENSION. General Map of the country, showing the Trial Section run through the Roree Districts in the season, 1863-64, and the altered and adopted line run in the season, 1864–65. John Brunton, Chief Engineer. July 25, 1866. *Scale*, 4 *miles to* 1 *inch; size*, 36 *inches by* 54. On tracing cloth. MS.

15. *Bombay, Baroda, and Central India Railway.*

Plan showing proposed Lines of Railway from the VEETURUNEE RIVER to BOMBAY and to CULLIAN. No title. Signed, J. H. G. Crawford, Major, Superintending Engineer, Railway Department. Copied in the Chief Engineer's Office, Bombay, 28th April 1855. *Scale*, 2 *miles to* 1 *inch; size*, 30 *inches by* 24. On tracing cloth. MS.

Plan of the NURBUDDA RIVER, East and West of Crossings, Surveyed by J. F. Green, Assistant Engineer. Received, April 1856. *Scale*, 200 *feet to* 1 *inch; size*, 38 *inches by* 86. On tracing cloth. MS.

Maps showing Preliminary Survey from BOMBAY to SURAT, 1857. No. 1, to accompany Report of 10th March 1857. Signed, A. W. Forde, Chief Engineer. *Scale*, 4 *miles to* 1 *inch; size*, 47 *inches by* 21. On tracing cloth. MS.

Plan showing Proposed Line througn the ISLAND of BOMBAY. No. 3, to accompany Report of 10th March 1857. Signed, A. W. Forde, Chief Engineer. *Scale*, 300 *feet to* 1 *inch; size*, 37 *inches by* 174. On tracing cloth. MS.

Plan from the VETURUNNEE to BOMBAY, showing alternative Lines. Signed A. W. Forde, Chief Engineer. 6th October 1859. *Scale*, 1 *mile to* 1 *inch; size*, 25 *inches by* 67. On tracing cloth. MSS.

Plan of the Islands of BOMBAY and COLABAH. Showing the Lines of Railway and the proposed Workshops, Passenger Station, and Goods Depôt for the B. B. & C. I. Railway. Signed A. W. Forde, Chief Engineer. Referred to in Letter from Bombay, No. 63, of 1859. *Scale*, 1,200 *feet to* 1 *inch; size*, 59 *inches by* 38. On tracing cloth. MSS.

Reduced Section of Location. Direct Line from VETURUNNEE to BOMBAY. 1859. Signed A. W. Forde, Chief Engineer. *Scales, horizontal*, 2 *inches to* 1 *mile; vertical*, 40 *feet to* 1 *inch; size*, 12 *inches by* 116. On tracing cloth. MS.

Reduced Section from VETURUNNEE to BOMBAY, viâ PERSEEK. 1859. Signed A. W. Forde, Chief Engineer. *Scales, horizontal*, 2 *inches to* 1 *mile; vertical*, 40 *feet to* 1 *inch; size*, 13 *inches by* 127. On tracing cloth. MS.

Plan of BOREE BUNDER STATION, with proposed Extensions. Bombay, 24th October 1859. *Scale*, 50 *feet to* 1 *inch; size*, 13 *inches by* 66. On tracing cloth. MS.

Design for Viaduct across the NORTH CHANNEL of BASSEIN CREEK. Bombay, May, 1860. *Scale*, 40 *feet to* 1 *inch; size*, 31 *inches by* 50. On tracing cloth. MSS.

BOMBAY EXTENSION, Bridge No. 132 B., over the Mahim Creek. Bombay, May, 1860. *Scale*, 8 *feet to* 1 *inch; size*, 20 *inches by* 40. On tracing cloth. MSS.

Plan of part of BOMBAY, between FRENCH OVER BRIDGE and COLABA, with proposed Reclamation of Back Bay in connexion with B. B. and C. I. Railway. No title or date. *Scale*, 200 *feet to* 1 *inch; size*, 3 *feet by* 8. On tracing cloth. MS.

Diagram showing the progress of work from SURAT to AHMEDABAD. Accompanying Chief Engineer's Reports. March 20th, 1861. *Size*, 18 *inches by* 86. On tracing cloth. MS.

GUZERAT TRAMWAY. Map showing the direction of the proposed Tramway from Gogo to Ahmedabad. 1861. *Scale, about* 13 *miles to* 1 *inch size*, 26 *inches by* 15.

Map of GUZERAT and SCINDE showing the lines of a proposed Railway Company. *Size*, 22 *inches by* 17.

Proposed Extension from DADUR to COLABA. Signed, Charles Sanderson, Chief Engineer. 25th May 1861. *Scale*, 1,200 *feet to* 1 *inch; size*, 22 *inches by* 37. On tracing cloth. MS.

PROGRESS DIAGRAM, B. B. and C. I. Railway, up to February 1862. *Size*, 8 *inches by* 58. MS.

Map of the ISLAND of BOMBAY, completed to 1861. (Showing the Ground in possession of Railway Companies, and that permanently and temporarily required.) Referred to in Railway Letter to Secretary of State, No. 74, dated 25th November 1863. *Scale*, 1,200 *feet to* 1 *inch; size*, 30 *inches by* 32. On tracing cloth. MS.

Map of the ISLAND of BOMBAY, showing Reclamations proposed, in progress, or completed up to November 1863. *Scale*, 600 *feet to* 1 *inch; size*, 98 *inches by* 49.

*** Also the Lines of Railway of the B. B. and C. I. and G. I. P. Companies.

Map of Line from CHOWPATTY to COLABA. (Showing the Land required for the Works.) Signed F. Mathews. 9th December 1864. *Scale*, 1,200 *feet to* 1 *inch; size*, 12 *inches by* 26. On tracing cloth. MS.

Plan of Experimental Survey from ANUND to PETLAND. Signed F. Mathew, Chief Resident Engineer. 16th November, 1864. *Scale*, 400 *feet to* 1 *inch; size*, 22 *inches by* 180. On tracing cloth. MS.

Plan of Experimental Survey from ANUND to DAKORE. Signed F. Mathew, Chief Resident Engineer. 17th November 1864. *Scale*, 400 *feet to* 1 *inch; size*, 25 *inches by* 258.

Sketch of the PENINSULA of GOOZERAT, with Railways. 1865. *Size*, 11 *inches by* 16. On tracing cloth. MS.

IRON ROOFING on IRON COLUMNS required for WORKSHOPS at PARELL. September 1865. *Scale*, 10 *feet to* 1 *inch; size*, 33 *inches by* 23. Tracing cloth. MS.

DRAWINGS accompanying Letter No. 8 of 1866. Signed, Thomas M. Foy, Resident Engineer. Dated 11th February 1866. Without titles. On tracing cloth. MSS.:—

(1.) Plan of Survey of Line from Neemuch to Mogana. *Size*, 24 *inches by* 46.
(2.) Section of the same. *Size*, 12 *inches by* 126.

NEEMUCH EXTENSION SURVEY. Plan of an Experimental Line of Railway from Neemuch to Wassud. Accompanying Letter No. 33 of 1866. *Scale*, 4 *miles to* 1 *inch; size*, 48 *inches by* 15. On tracing cloth. MS.

The same reduced to 10 *miles to* 1 *inch*, and lithographed.

NEEMUCH EXTENSION SURVEY. Accompanying Chief Resident Engineer's Letter, No. 1,945, of 1867. Dated 9th June 1867. *Scale*, 4 *miles to* 1 *inch; size*, 13 *inches by* 29. On tracing cloth. MS.

Plan for an Extension Line of Railway, viâ BARODA, NEEMUCH, JYPOOR and DELHI. The shortest and most level line that can be constructed between Bombay and the North west of India. *Scale*, 50 *miles to* 1 *inch; size*, 17 *inches by* 17.

Plan of EXPERIMENTAL SURVEY from AHMEDABAD to VEERUNGAUM. Signed F. Mathew, Chief Resident Engineer. *Scale*, 400 *feet to* 1 *inch; size*, 37 *inches by* 334. On tracing cloth. MS.

KATTIAWAR SURVEY. Plan from Ahmedabad to Veerumgaum viâ Samund. Signed F. Mathews, Chief Resident Engineer. 25th August 1866. *Scale*, 2 *inches to* 1 *mile; size*, 25 *inches by* 79. On tracing cloth. MS.

BOMBAY TERMINUS. Plan showing Land required for the Terminus and General Offices at Colaba. Accompanying Chief Resident Engineer's Letter, No. 2309, of 8th July 1867. *Scale*, 100 *feet to* 1 *inch; size*, 37 *inches by* 58. On tracing cloth. MS.

Proposed Plan for joining the B. B. & C. I. R. Terminus at Colaba, with the G. I. P. Railway Terminus at Moody Bay, by means of locomotive or horse power. 1867. *Scale,* 200 *feet to* 1 *inch; size,* 26 *inches by* 69. On tracing cloth. MS.

Sheds as erected at PARELL. Iron roofing for workshops. Dec. 1867. *Scale,* ½ *inch to* 1 *foot; size,* 27 *inches by* 78. Tracing cloth. MS.

Plan from the South End of the ESPLANADE STATION to the COLABA TERMINUS. With Chief Resident Engineer's Letter, No. 1475, of 1868. *Scale,* 100 *feet to* 1 *inch; size,* 25 *inches by* 82. On tracing cloth. MSS.

Map showing the situation of the B. B. & C. I. R. and G. I. P. R. with respect to the CITY of BOMBAY. Accompanying Chief Resident Engineer's Letter, No. 1630, of 1868. *Scale,* 1,200 *feet to* 1 *inch; size,* 50 *inches by* 24. On tracing cloth. MS.

Plan B. Showing the Breakwater constructed along the line of timber staging and the same extended to the Pier at COLABA, with the present Railway Reclamation Works extended to the above line of Breakwater. January 8th, 1869. *Scale,* 600 *feet to* 1 *inch; size,* 12 *inches by* 40. On tracing cloth. MS.

Plan of FORESHORE in BACK BAY, showing proposed position of permanent Railway Lines and Sidings between Marine Lines and the Foreshore at Colaba; also site of proposed Ride and Drive outside the Railway from Chopatty to Colaba. To accompany estimate, dated 22nd March 1871. *Scale,* 200 *feet to* 1 *inch; size,* 29 *inches by* 96. Tracing cloth. MS.

16. *Great Indian Peninsula Railway.*

Sketch of the proposed Line of Railway through the ISLAND of BOMBAY, taken from a Plan of the Island of Bombay. (No date.) *Scale,* 1,200 *feet to* 1 *inch; size,* 44 *inches by* 18.

General Maps for REPORTS of 1851, showing the different Ghats, Mr. Clarke's Line of Railway, &c. *Size,* 43 *inches by* 36. On tracing cloth. MS.

Map of the TANNAH COLLECTORATE, reduced from three sheets of Capt. T. Jervis' Konkun Atlas, on a scale of 2 miles to 1 inch. Executed in 1834. Showing the North-eastern and South-eastern Extensions and Malsej Ghaut Lines. Signed, James J. Berkley, Sept. 14th, 1852. *Scale,* 4 *miles to* 1 *inch; size,* 48 *inches by* 25. MS.

Approaches to BRIDGE at MAZAGON. *Scale,* 100 *feet to* 1 *inch; size,* 9 *inches by* 19. Tracing cloth. MS.

Plan of the proposed MAHIM BRANCH. *Scale,* 300 *feet to* 1 *inch; size,* 20 *inches by* 29. MS.

Proposed MAHIM BRANCH (Section). *Scales, horizontal,* 4 *chains to* 1 *inch; vertical,* 20 *feet to* 1 *inch; size,* 20 *inches by* 42. MS.

Map of the PROVINCE of CANDEISH, by Capt. John Briggs, showing the different routes by which Major Kennedy's and the G. I. P. R. Co.'s Lines would probably pass through Candeish. 1853. *Scale,* 4 *miles to* 1 *inch; size,* 37 *inches by* 49. MS.

Also " Extract from a Map of the PROVINCE of CANDEISH." Copied in the S. G. O. Calcutta, 20th May 1853. (From the foregoing map.)

NORTH-EASTERN EXTENSION, No. 2. General Map along Nerbudda Valley from Asseerghur to Jubbulpoor (showing the line of railway). 1854. *Scale, 8 miles to* 1 *inch; size,* 24 *inches by* 40.

Design for BOMBAY TERMINUS. Received April 1856. *Scale,* 100 *feet to* 1 *inch; size,* 30 *inches by* 100. On tracing cloth. MS.

The THUL GHAT INCLINE, on 4 Maps, marked Nos. 1, 2, 3, 4. September 1857. *Scale,* 20 *chains to* 1 *inch; size of each,* 18 *inches by* 30. On tracing cloth. MSS.

The THUL GHAUT INCLINE, Reduced Sections, marked Nos. 8, 9, 10. September 1857. *Scales,* 20 *chains and* 50 *feet to* 1 *inch; on* 3 *sheets; size of each about* 25 *inches by* 40. On tracing cloth. MSS.

GREAT INDIAN PENINSULAR RAILWAY, 1858. The parts open for traffic under contract, &c.; with a table of distances. Also an enlarged plan of the line from Bombay to Tannah. 1858. *Size,* 30 *inches by* 22.

BOMBAY STATION. Plot of Ground proposed for Passenger and Goods Termini. Letter of 9th February 1859. *Scale,* 200 *feet to* 1 *inch; size,* 27 *inches by* 40.

Two Sections of the GREAT INDIAN PENINSULAR RAILWAY, without title or date. Signed, J. J. Berkley. Both are in Tannah Collectorate. *Sizes,* 12 *inches by* 52, *and* 12 *inches by* 36. On tracing cloth. MS.

Crossing of RIVER KALOO, near its Junction with the Oolassa. *Scales,* 20 *feet and* 2 *chains to* 1 *inch; size,* 11 *inches by* 19. On tracing cloth. MS.

Contract No. 12. Diversion of MAIL ROAD to be passed over Railway at 7 miles 6 chains. Plan and Sections. July 1859. *Size,* 30 *inches by* 29. On tracing cloth. MS.

Contract No. 18. (From SHOLAPORE to Point of Junction with the MADRAS RAILWAY.) Plans and sections marked Nos. 1, 2, 3, in duplicate, dated Bombay, June 1860. In three separate pieces of great length. On tracing cloth. MSS.

Drawing of ARCHWAY in a CUTTING, with Cross Sections of Parapet Wall and Section of Ground after Slip on 8th July 1860. Dated Bombay, 11th December 1860. No title. *Size,* 28 *inches by* 66. On tracing cloth. MS.

Double 20-feet TUNNEL ARCH. Contract No. 10. Plan, sections, and elevation. *Scales,* 10 *feet and* 5 *feet to* 1 *inch; size,* 25 *inches by* 56. On tracing cloth. MS.

MUND VIADUCT. Contract No. 13. Plan, sections, and elevation. Copies December 10th, 1860. *Scales,* 20 *feet and* 8 *feet to* 1 *inch; size,* 28 *inches by* 78. Tracing cloth. MS.

The GREAT INDIAN PENINSULAR RAILWAY COMPANY (a map of the line, showing the parts open, under construction, and surveyed; with an enlarged plan of the Island of Bombay). *On a scale of* 1,200 *yards to* 1 *inch; size,* 30 *inches by* 22.

Diagram showing the Lines from SHOLAPORE to CUDDAPAH, HYDRABAD, RAICHOOR, and MOODGUL. 1863. *Scale,* 10 *miles to* 1 *inch; size,* 30 *inches by* 23. Referred to in Railway Letter, No. 28, of 4th March 1864. On tracing cloth. MS.

The GREAT INDIAN PENINSULAR RAILWAY COMPANY. 1866. (Being a Map of the Line open for traffic and under construction, and of the Extension Schemes.) *Scale,* 33 *miles to* 1 *inch; size,* 18 *inches by* 27.

Trial Section on the Main Line near KURJUL to Junction, with alternative line near CHOWK, at 10 miles 65 chains. November 1866. *Scales,* 20 *chains and* 50 *feet to* 1 *inch; size,* 18 *inches by* 117. Tracing cloth. MS.

Trial Section from CAMPOOLEE to HOG ISLAND. *Size,* 8 *inches by* 13. On tracing cloth. MS.

Trial Sections from CAMPOOLEE to HOG ISLAND. Direct Line, *viâ* Khalapoor, Chandolee, Sutwapass, on to Panwell; and Alternative Line *viâ* Khaiapoor, Chowk, on to Panwell. *Horizontal scale,* 20 *chains to* 1 *inch; vertical scale,* 50 *feet to* 1 *inch; size,* 3 *feet by* 13 *feet.* J. Ruston, July 19, 1866. On tracing cloth. MS.

Trial Plan from 63 miles 47·50 chains on the Main Line near KURJUT to Junction with Alternative Line near CHOWK at 10 miles 65 chains, and from Junction with Alternative Line near Chowk, at 11 miles 38 chains, to Penn. November 1866. *Scale,* 20 *chains to* 1 *inch; size,* 36 *inches by* 92. On tracing cloth. MS.

Map of the TANNAH COLLECTORATE from a Map by Captain T. B. Jervis. *Scale,* 4 *miles to* 1 *inch.* (Showing the Great Indian Peninsular Railway Main Line and Campoolee Branch, with proposed Lines from Campoolee to Hog Island, and from Kurjut to Apta and Penn. By J. Ruston.)

17. *Proposed Madras and Mangalore Railway,* 1844.

The ATLAS of INDIA. Sheets 43, 60*a*, 78. Showing "Line of Railway from Madras to Mangalore," projected in 1842, and presented to the H. E. I. Company by Alexander F. Campbell, late Lieut., R.E. January 26th, 1843. *Size,* 26 *inches by* 114.

18. *Madras Railway. General Maps.*

Map of SOUTHERN INDIA, showing the present road from Madras to the Interior and the West Coast, also the proposed Railroads. Railway Commissioners' Office, 27th October, 1852. Signed Thos. T. Pears, Railway Commissioner. No Title. *Size,* 40 *inches by* 27. MS.

Map showing "MADRAS RAILWAY and other Lines of SOUTHERN INDIA;" with a table of distances from Madras. No date. *Size,* 25 *inches by* 25.

Map showing the Lines completed (MADRAS to ARCOT) and in execution by the Madras Railway Company. No date. *Scale,* 32 *miles to* 1 *inch; size,* 30 *inches by* 22. MS.

Map showing the existing and proposed Lines of the MADRAS RAILWAY COMPANY. No date. *Scale,* 32 *miles to* 1 *inch; size,* 30 *inches by* 22. Lithograph.

MADRAS RAILWAYS. Broad and Narrow Gauges. No date. *Scale,* 32 *miles to* 1 *inch; size,* 24 *inches by* 30. On tracing cloth. MS.

The ATLAS of INDIA, Sheets 60, 61, 78, 79, with Madras Railways. *Size,* 54 *inches by* 80. Also Sheets 61, with proposed diversion of the Railway near Salem. *Size,* 40 *inches by* 27.

Diagram of Railways in MADRAS PRESIDENCY:—Madras Railway, the Carnatic Railway, Great Southern and Extension, and Trichinopoly Grand Trunk Road. *Scale*, 5 *miles to* 1 *inch; size*, 6½ *feet by* 6½. On tracing cloth. MS.

Survey of a proposed Line of Railway between MADRAS and WALLAJAHNUGGUR. Signed T. T. Pears, Major, Engineers, 4th July 1851. *Scales*, 400 *yards and* 50 *feet to* 1 *inch; size*, 24 *inches by* 301. MSS.

Survey of the first five miles of the proposed Line of Railway from MADRAS to WALLAJAHNUGGUR. Prepared by order of Government, dated 26th May 1851. Signed T. T. Pears, Major, Engineers, 22nd March 1852. *Scales*, 100 *yards and* 20 *feet to* 1 *inch; size*, 25 *inches by* 114. MS.

Plan of a portion of MADRAS, showing two different directions in which the Railway might be extended from the proposed present Terminus. Signed, T. T. Pears, Major, Engineers, 4th July 1851. *Scale*, 400 *yards to* 1 *inch; size*, 22 *inches by* 35. MS.

Survey of a portion, as far as the Village of MINEL, of a proposed Trunk Line of Railway from MADRAS westward towards the Districts of BELLARY, CUDDAPAH, MYSORE, NORTH ARCOT, and SALEM. Prepared agreeably to the order of Government, No. 812, in the Public Department, dated 29th August, 1851. Signed T. T. Pears, Major, Engineers, December 15, 1851. *Scales*, 400 *yards and* 50 *feet to* 1 *inch; size*, 27 *inches by* 239. MS.

Plans to accompany the Survey of the first five miles of the proposed Railway from MADRAS to WALLAJAHNUGGUR. Signed, T. T. Pears, Major, 22nd March 1852. *Scale*, 6 *feet to* 1 *inch; size*, 28 *inches by* 49. MS.

No. 1. Section and Plan of Railway from VANIAMBADDY to ATHYPULLUM. Distance 25 miles 2,000 feet. 27th April 1854. *Scales*, 400 *yards and* 50 *feet to* 1 *inch; size*, 15 *inches by* 113. MS.

No. 2. Section and Plan of Railway from MOOKTRUMPUTTY to CHINTALPANDY. Distance 22 miles 2,880 feet. 27th April 1854. *Scales*, 400 *yards and* 50 *feet to* 1 *inch; size*, 15 *inches by* 103. 2 copies. MSS.

No. 3. Section and Plan of Railway from CHINTALPANDY to the bottom of the MOROOR GHAUT. *Size*, 24 *inches by* 95. 2 copies. MSS.

Plan and Section of proposed Branch from Main Line, at 2 miles 1 furlong, to MUNRO'S STATUE (MADRAS). 7th March 1855. *Scales, about* 10 *chains and* 40 *feet to* 1 *inch; size*, 23 *inches by* 27. MS.

Plan No. 70. MADRAS RAILWAY. Districts 2, Section 1. Drawings of Bridge for carrying the Railway over the River Cauvery. June 13th, 1856. *Scale*, 20 *feet to* 1 *inch; size*, 29 *inches by* 96. 2 copies. On tracing paper, mounted. MSS.

MADRAS RAILWAY. Plan and Section of Trial Line through District 10. (From Poodopolliam to Checklypoor.) January 23rd, 1856. *Scales*, 100 *chains and* 40 *feet to* 1 *inch; size*, 25 *inches by* 203. On tracing paper, mounted. MS.

Sketch Map showing the present ROUTES of DISTRICTS 9, 10, and 11, with proposed diversions of Line. Nov. 1856. *Scale*, 4 *miles to* 1 *inch; size*, 12 *inches by* 21. On tracing paper, mounted. MS.

Survey for proposed Branch Line to SALT DEPÔT. No. 1A. September 1859. *Scale*, 4 *chains to* 1 *inch; size of each, about* 26 *inches by* 39.

Proposed Sidings for SALT COTAURS. Marked No. 2. *Scale, 2 chains to* 1 *inch; size,* 21 *inches by* 29. On tracing paper, mounted. MS.

Drawing of SALT SHED. September 1859. Marked No. 3. *Scale,* 8 *feet to* 1 *inch; size,* 21 *inches by* 33. On tracing paper, mounted. MS.

Proposed Branch Line to SALT DEPÔT. No. 4. On tracing paper, mounted. MS.

Map showing the BANGALORE BRANCH of the SOUTH-WEST LINE of RAILWAY. August 1860. (With a Memorandum of Stations, and their distances from the Junction.) *Scale,* 2 *miles to* 1 *inch; size,* 31 *inches by* 50.

Sketch Map showing the NORTH-WEST and SOUTH-WEST RAILWAYS, with their FEEDERS. February 1861. *Scale,* 12 *miles to* 1 *inch; size,* 38 *inches by* 34. MS.

Diagram showing the Lines from CUDDAPAH to SHOLAPOOR, *viâ* HYDERABAD, RAICHOOR, and MOODGUL. December 1863. *Scale,* 8 *miles to* 1 *inch; size,* 35 *inches by* 30. 1 copy. On tracing cloth. MS. Referred to in Railway Letter, No. 28, of 4th March 1864.

The same Map as above. MS. Mounted.

Sketch showing the Land and Water Communications between the BEYPORE and MADRAS RAILWAY and COCHIN, within the limits of the Malabar District. March 1863. *Scale,* 3 *miles to* 1 *inch; size,* 38 *inches by* 22. On tracing cloth. MS.

Sections of SPARK CATCHER in use on the MADRAS RAILWAY. *Scale,* 1½ *inch to* 1 *foot; size,* 14 *inches by* 27. On tracing cloth. MS. Referred to in Railway Letter No. 41, dated 16th June 1863.

Survey of proposed Extension of Line to new CENTRAL STATION (MADRAS). April 1866. *Scale,* 4 *chains to* 1 *inch; size,* 29 *inches by* 60. On tracing cloth. MS.

Arrangements of new CENTRAL STATION (MADRAS). April 1866. *Scale,* 60 *feet to* 1 *inch; size,* 23 *inches by* 37. On tracing cloth. MS.

Drawing showing position of new Station Arrangement at MADRAS TERMINUS. April 1866. *Scale* 60 *feet to* 1 *inch; size,* 36 *inches by* 75. On tracing cloth. MS.

19. *Great Southern of India Railway.*

GREAT SOUTHERN of INDIA RAILWAY. Showing the First Section and future Extensions. No date. *Scale,* 10 *miles to* 1 *inch; size,* 30 *inches by* 22. Lithograph.

GREAT SOUTHERN of INDIA RAILWAY. Permanent Way. Plan and Sections. Full size. 1863. *Size,* 25 *inches by* 38. MS.

MAPS OF THE CIVIL DIVISIONS OF INDIA.

I. BENGAL PRESIDENCY:

(The Presidency of Fort William in Bengal.)

Including thirteen Lieutenant-governments, Chief Commissionerships, Agencies, &c., under the Governor General, viz.:—

1. Bengal;
2. The North West Provinces;
3. Oudh;
4. The Punjab;
5. Rajputana Agency and Ajmir;
6. Central India Agency;
7. The Central Provinces;
8. Hyderabad and Berar;
9. Mysore and Coorg;
10. Assam;
11. Munipur Agency;
12. British Burma;
13. Andaman and Nicobar Islands.

Note.—To these must be added the following Governor General's Agencies *beyond* India:—

14. Baluchistan, under H.H. the Khan of Khelat, with a Political Agent (*see* p. 482).
15. The Persian Gulf and Muscat, under various Native Governments, with Political Agents at Bushire and Muscat (*see* pp. 485, 488).
16. Bagdad (Turkish Empire), Political Agent (*see* p. 489).
17. Zanzibar (East Africa), under the Sultan and a Political Agent (*see* Admiralty Charts).

General Maps and Atlases of the Bengal Presidency, embracing more than One Government.

MAJOR RENNELL'S MANUSCRIPT MAPS AND CHARTS of BENGAL, &c., in three series, with distinct general titles. In 1 large red leather cover. *Size*, 27 *inches by* 23.

First Series.

A set of general and particular Maps of BENGAL and BAHAR, with general maps of ELLAHABAD and AWD. Drawn from actual surveys taken between the years 1763 and 1774, by the Honourable East India Company's Surveyors. Constructed from the original surveys by James Rennell, Surveyor-General.

CONTENTS :—

List of Provincial Maps, viz.:—

Nos. 1, 2, 3. Soubah Bahar.
„ 4. Purneah and Rajemal.
„ 5. Dinagepour and Goragot, with the pergannahs of Malduar, Shilberis, Surroopour, Islamabad, Jangipour, Mosheedab, Barbuckpour, Poostole, &c.
„ 6. Rungpour, Rangamatty, Coos-Beyhar, Baharbund and Bittrebund, and part of Bootan.
„ 7, 8. Dacca, Silhet, and Tiperah.
„ 9. Chittigong.
„ 10. Chart of the Sunderbund Rivers.
„ 11. Kishenagur, Jessore, Mahmudshi, Boosnah, and part of Raujeshy proper.
„ 12. Bettoriah, or northern division of Raujeshy; with Attyah, Caugmahry, Pookarya, Luskerpour, Burbazzoo, &c.
„ 13. Birboom and Raujeshy proper; with the pergannahs of Futtasing, Chunacally, &c.
„ 14, 15. Burdwan, Midnapour, Hoogly, Bissunpour, and Pachete.
„ 16. Ramgur, Palamow, Chuta-Nagpour, &c.

No. 17. Jungleterry.
„ 18. Jeels, &c.
„ 19. Cossimbazar Island.

An Index Map in the margin.

Alphabetical Index of Provinces and Pergannahs.

CONSTRUCTION, &c.—The following is a brief abstract of the MS. under this heading:—The scale is 5 miles to 1 inch, except Chittigong (No. 9), which is 3 miles to 1 inch. The provincial maps are on a plane projection, but the general map which follows is conical. The materials consisted of 500 original surveys. The first imperfect copy of the general map was sent to England in January 1773. The work of each surveyor is indicated, and their names are given, viz.: Capt. Richards, Lieut. Russell, Du Glos, Capt. Huggens, Capt. Rennell, Capt. Carter, Col. Ironside, Capt. Camac, Capt. Morrison, Capt. Adams, Capt. Martin, Capt. Ritchie, Capt. Plaisted, Capt. Portsmouth, Lieut. Call.

The two following maps are inserted after the foregoing series, but they are not in the list:—

No. 20. Country between Sangral and Oulubaria. 1770.
„ 21. Environs of Dacca. 1774.

Second Series.

With the following title, but numbered in continuation of the foregoing:—

A set of general and particular Maps of the BAY of BENGAL.

Drawn from actual surveys taken in the years 1768, '69, '70, and '71, by John Ritchie, Surveyor, and examined and compiled by James Rennell, Surveyor-General, 1772.

No. 22. A chart of the Bay of Bengal, with data for the longitude.
„ 23. Mouth of the Hoogly river.
„ 24. Coast of Choromandel, &c.
„ 25. Coast of Orixa, &c.
„ 26. Coast of Bengal, &c.
„ 27. Coast of Aracan, &c.
„ 28. Andaman Islands, &c.
„ 29. Nicobar Islands, on the scale of 10 miles to 1 inch, with enlarged plan of Noncowry Harbour. 1772.
„ 30. Nicobar Islands, on the scale of 4 miles to 1 inch.
„ 31. Chart of the Eastern Ocean, 1759. Engraved.

Remarks upon the COAST and BAY of BENGAL, the outlets of

the Ganges and interjacent rivers, according to surveys by John Ritchie, Hydrographical Surveyor to the Honourable the United India Company. Received by Capt. Horsburgh in 1820. On 152 pages, 4to. in red binding. MS.

Third Series.

A set of general and particular Maps of BENGAL, BAHAR, &c.

By James Rennell, Surveyor-General. 1773.

CONTENTS:—

Some Account of the construction of the maps.

Bengal, in four parts, on the scale of 6 inches to a degree, as fixed by the Directors.

Bengal, reduced to 3 inches to a degree.

RUNGPOOR, RANGAMATTY, COOSBAHAR, with the ad-

jacent purgunnahs of Baharbund and Bitterbund, and part of Bootan. Surveyed by Rennell and Martin. *Scale, 5 miles to 1 inch.*

This is an extended copy of No. 6 in the first series of this collection, and terminates the Atlas.

Rennell's Bengal Atlas.

A Map of BENGAL and BAHAR in VIII. Parts. With Explanation and Index Map on the title page. Published according to Act of Parliament by J. Rennell, November 10th, 1779. In one vol., folio, half bound.

CONTENTS :—

Map of the Inland Navigation. *Scale, 50 miles to 1 inch.*

View of Oudanulla as it appeared before the attack in 1763. Chunargur from the west as it appeared after the siege in 1764.

1. The Delta of the Ganges with the adjacent countries, comprehending the southern inland navigation. Inscribed to Francis Russell, Esq. With a plan of Samoolagur or Sumookgur Fort near Bankibazar.
2. The Jungleterry District with the adjacent provinces between Moorshedabad and Bahar. Inscribed to Brigadier-General Richard Smith.
3. A map of South Bahar, including the course of the Ganges to Chunargur. Inscribed to Sir Hector Munro.
4. A map of North Bahar. Inscribed to Brigadier-Genera John Caillaud.
5. The Northern Provinces of Bengal, with the Bootan, Morung, and Assam frontiers. Inscribed to Hugh Inglis, Esq.
6. The Low Countries beyond the Ganges from the Mauldah river to Silhet, comprehending the midland and eastern inland navigation. Inscribed to Thomas Kelsall, Esq.
7. The Provinces of Bengal situated on the west of the Hoogly river, with the Maharatta frontier. Inscribed to Harry Verelst, Esq.
8. The conquered Provinces on the south of Bahar, containing Ramgur, Palamow, and Chuta-Nagpour, with their dependencies. Inscribed to Major Jacob Camac.

*** The scale of Nos. 1 to 8 is uniformly 10 geographical miles to 1 inch.

9. Bengal and Bahar. To the Honourable Warren Hastings, Esq., Governor-General. &c. *Scale, 24 miles to 1 inch.*
10. A map of Oude and Allahabad with part of Agra and Delhi, including the course of the Ganges to Hurdwar and the Maharatta frontier. Inscribed to John Cartier, Esq. *Scale, 24 miles to 1 inch.*
11. Map of the Cossimbuzar Island, with a plan of the battle of Plassey. Inscribed to the memory of Edward Lord Clive. *Scale, 5 miles to 1 inch.*
12. Plan of the Environs of the city of Dacca. *Scale, 2 miles to 1 inch.*
13. The Doo-ab, from Allahabad to Kalpy. Inscribed to Sir Robert Barker. *Scale, 6 miles to 1 inch.*
14. The River Ganges from Allahabad to Patna, with plans of Allahabad and Chunargur. *Scale of the Ganges, 5 miles to 1 inch.*
15. The River Ganges from Patna to Surdah, with plans of Patna and Monghyr. (Also the Ruins of Gour.) *Scale, 5 miles to 1 inch.*
16. The Ganges from Surdah to the Calligonga, with the passage across the Jeels, &c. *Scale, 5 miles to 1 inch.*
17. The Ganges from the Calligonga to its confluence with the Megna or Burrampooter, and the Megna from thence to the head of the Luckia river. *Scale, 5 miles to 1 inch.*
18. The Burrampooter from the head of the Luckia or Bannar river to Assam. With a view and plan of Dellamcotta fort in Bootan. Inscribed to the memory of Captain John Jones, who took it by assault in April, 1773.
19. The Hoogly river from Nuddeah to the Sea, with Balasore Road and plan of the attack of Oudanulla. *Scale of the Hoogly, 5 miles to 1 inch.*
20. A map of the Sunderbund and Baliagot Passages with the principal communications. Inscribed to C. W. Boughton Rouse, Esq. *Scale, 5 miles to 1 inch.*

***** This is the first edition of Rennell's Bengal Atlas.**

A BENGAL ATLAS, containing Maps of the theatre of war and commerce on that side of Hindoostan; compiled from the original surveys, and published by order of the Honourable the Court of Directors for the affairs of the East India Company, by *James Rennell*, F.R.S., late Major of Engineers and Surveyor-General in Bengal. 1781. With a title, contents, index, and 21 maps. Folio, bound.

*** This is the second edition of Rennell's Bengal Atlas. The map of the inland navigation in the first edition is omitted in this, but the rest of the maps are identical.

Revenue Survey Atlas.

District Maps, etc. in the LOWER and the NORTH WEST PROVINCES of BENGAL, OUDE, PUNJAB, GWALIOR, and SCINDE. Bound together in two vols. folio, without a general title. *Scale, 4 miles to 1 inch,* unless otherwise expressed.

Vol. I.

Index Map of the Revenue Survey Districts in the North-Western Provinces, including the Territory of Oudh. Corrected by G. T. S. operations. Compiled in the Surveyor-General's office. 1845–51. *Scale, 16 miles to 1 inch.*
Agra, by Capts. Wroughton and Fordyce. 1837–39.
Allahabad, by Capt. Lawrence and Lieut. Stephen. 1838.
Allyghur, by Capt. R. Wroughton. 1837.
Azimghur, by Capts. Simmonds and Fordyce, Lieut. Brind, and Mr. Terraneau. 1835–36.
Barelly, by Lieuts. Fraser and Abbott. 1833–37.
Bandah, by Lieuts. Abbott and Stephen. 1840–41.
Behar, by Capts. Stephen and Lieut. Sherwill. 1841–44.
Benares, by Lieuts. Abbott and Stephen. 1839–40.
Bijnour, by Capt. B. Browne. 1833–41.
Budaoon, by Capts. Bedford and Wroughton. 1822-23 and 28-34.
Cawnpoor, by Lieut. Abbott. 1840.
Orissa or Cuttack Province, by Lieuts. H. L. Thuillier, R. Smyth, and Mr. J. Fitzpatrick. On 4 sheets. 1837–42.
Dihlee, by Capts. Oliver, Simmonds, and Brown. 1824–40.
Dehra Dhoon, by Capt. W. Brown. 1838–39.
Etawah, by Capt. R. Wroughton. 1838–39.
Furruckabad, by Capts. Lawrence and Wroughton. 1833–39.
Futtehpoor, by Lieut. H. V. Stephen. 1839.
Goorgaon, by Lieuts. Oliver, Simmonds, Brown. 1828–40.
Goruckpoor, by Lieuts. Grant, Wroughton, Lawrence, Fordyce, Brind, Rind, and Mr. Terraneau. 1836–38.
Gazeepoor, by Lieut. W. Maxwell. 1839–41.
Hurriana, by Capts. Simmonds and Brown. 1832–38.
Jounpoor, by Lieut. Abbott. 1839–40.
Meeruth, by Capt. W. Brown. 1831–36.
Midnapoor and Hijellee, by Lieuts. Mathison and J. F. Egerton, and Mr. Wilson. 1838–45.
Moradabad, by Capt. B. Browne. 1834–41.
Muthra, by Capt. R. Wroughton. 1835.
Mynpooree, by Capt. R. Wroughton. 1837–39.
Paneeput, by Capts. Oliver and Simmonds. 1822–33.
Patna, by Lieut. W. Maxwell. 1841–43.
Rohtuk, by Capts. Oliver and Simmonds. 1823–32.
Sarun, by Lieut. Maxwell and Mr. Wyatt. 1843–46.
Shahabad, by Lieut. W. S. Sherwill. 1844–46.
Shahjuhanpoor, by Capt. Abbott and Lieut. Fraser. 1838–39.

Sohagpoor and Ramgurh, by Capt. Wroughton. 1842.
Seebpoor (Upper Assam), by J. Thornton. 1839–42.
Scinde, by the Quartermaster General's Department, Bombay Army. On 4 sheets. 1850. *Scale,* 8 *miles to* 1 *inch.*

Vol. II.

Bhaugulpoor, by Capt. Sherwill and Mr. Pemberton. 1846–50. On 2 sheets.
Chittagong, by Lieut. H. Siddons. 1835–41. On 3 sheets.
Gwalior Territory, and adjoining native states in Central India. Compiled in the Surveyor-General's office. 1847. On 4 sheets. *Scale,* 8 *miles to* 1 *inch.*
Hooghly District, by W. A. Wilson, Esq. 1844–46.
Humeerpoor, by Lieut. H. V. Stephen. 1839–40.
Mirzapoor, by Capt. Wroughton. 1840–41.
Monghyr, by Capt. Sherwill. 1845–47.
Orissa or Cuttack Province (as in Vol. I.).
Purneah, by Messrs. Fitzpatrick and Pemberton. 1840–47. On 2 sheets.
Scindè (as in Vol. I.).
Tirhoot, by Mr. Alexander Wyatt. 1846–49. On 2 sheets.

Military.

Plan exhibiting the present partition of the country dependent on BENGAL, into MILITARY DIVISIONS, with the several stations of Troops, agreeably to the Distribution Returns. Made up to the 30th April 1812. *Scale,* 40 *miles to* 1 *inch; size,* 20 *inches by* 27. Folded in a case.

Disposition Map of the BENGAL ARMY. *Scale,* 32 *miles to* 1 *inch; size,* 38 *inches by* 58.

*** Compiled in the Surveyor-General's Office, Calcutta. 1862.

Map of the GOVERNMENT STUD LANDS attached to KURRUNTAHDEEH, and BUXAR. The former situated in Purgunnah Gurha, Ghazepoor District (North-West Provinces), and the latter in Purgunnah Bhojpoor, Shahabad District (Lower Provinces). Surveyed in 1845 by Lieut. W. S. Sherwill, Assistant Revenue Surveyor. *Scale,* 8 *inches to* 1 *mile; size,* 29 *inches by* 21.

*** *See also* the Poosah Depôt, p. 187.

Postal.

Post Office Map of the PROVINCES of BENGAL, BEHAR, ORISSA, and ARRACAN. Compiled by J. R. Burlton Bennett, Esq., Deputy Postmaster-General of Bengal. Reduced from Tassin's lithographed map of Bengal and Behar, 1841, and extended from other materials in the office of the Surveyor-General of India. July, 1852. *Scale,* 16 *miles to* 1 *inch; size,* 44 *inches by* 57.

Magisterial.

Plans of JAILS, CUTCHERIES, CIRCUIT HOUSES, &c., in the LOWER PROVINCES, at Joanpoor,* Mirzapore,* Benares,* Gazeepore,* Goruckpore,* Rungpore, Patna, Chittra, Sheergotty, Gyah, Chupprah, Baugulpore, Muzafferpore, Kishnagur, Burdwan, Bancoorah, Midnapore, Cuttack, Calcutta, Barrisaul, Mymensing, Fureedpore, Rajeshahye, Chittagong, Sylhet, Dacca, and Hooghly. (Date, May 29, 1823.) In one vol., folio, half bound.

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* These places are in the North-West Provinces.

Geological.

Geological Map of the NORTHERN FRONT of the VINDHYA HILLS, extending from Allahabad to Rajmahal; showing the position of all the known Coal-beds of that tract, and also of the silver, copper, lead, and antimony localities, as well as the principal iron measures. Surveyed and constructed by Captain Walter S. Sherwill, 66th Regt. Nat. Inf., Revenue Surveyor. 1842 to 1851. *Scale,* 8 *miles to* 1 *inch; size,* 36 *inches by* 57.

Roads and Routes in Bengal Presidency, Memoirs, Field-books, Route-books, and Plans.

Abstract Memoir on ROADS within the BENGAL PRESIDENCY (including Agra), with tabular statement and sketch maps. 1835. Fcap, 12 pages unbound. MS.

Documents relative to the CONSTRUCTION of ROADS within the BENGAL and AGRA PRESIDENCIES. February 7th, 1835. Sketch of the roads from Hooghly to Burdwan, and from Kactia to Kishnaghur; also from Burdwan to Benares; also Delhi and Allahabad road. With the Calcutta Gazette for Feb. 7, 1835. Fcap., stiff cover.

Sketch of the Roads from Hooghly to Burdwan, and of two LINES of ROAD between BURDWAN and BENARES, by Capt. Geo. Thomson, Superintendent of Roads. 1835. Fcap., half-bound.

Plan of the NEW ROAD from FORT WILLIAM to CHUNARGUR. *Scale, about* 5 *miles to* 1 *inch; size,* 12 *inches by* 78. MS.
*** See p. 274.

Maps of ROUTES from the BRITISH TERRITORIES into AVA. and various other places on the eastern frontier. Lithographed by J. B. Tassin, Calcutta, 1837. Oblong folio, half-bound.

CONTENTS:—

1. Banshandee in Cachar, *viâ* Agnee, to Muneepoor. By Capt. R. B. Pemberton.
2. Banshandee in Cachar, *viâ* Kala Noga to Muneepoor. By Capt. R. B. Pemberton.
3. Muneepoor *viâ* Muchee to Tummoo in Kubo. By Capt. R. B. Pemberton.
4. Muneepoor *viâ* Imole to Tummoo in Kubo. By Capt. R. B. Pemberton.
5. Tummoo *viâ* Punsa to Sunnyachil Ghaut. By Capt. R. B. Pemberton.
6. Tummoo *viâ* Sumjoh to Monphoo. By Capt. R. B. Pemberton.
7. Muneepoor *viâ* Kaboome to Assam. In 3 sheets. Surveyed by Lieut. Gordon. Drawn by Capt. Pemberton.
8. Muneepoor *viâ* Papoolongmiee to Assam. In 4 sheets. By Capt. Pemberton.
9. Aeng in Arracan to Shembegwen on the Irawattee River. By Lieut. Trant, corrected by Capt. Pemberton.
10. Map of the Ningthee or Khyendwen from Genduh to its confluence with the Irawattee. By Lieut. W. C. McLeod. Drawn by Pemberton.

Revised Tables of ROUTES and STAGES through the TERRITORIES under the PRESIDENCY of BENGAL and the Lieut.-Governorship of Agra, with an Index; compiled from documents in the office of the Quartermaster-

General of the Bengal Army, and from information obtained from the collectors of districts and other local authorities. By Captain W. Garden, Quartermaster-General's Department. Calcutta, 1838. In one Vol. 4to. 322 pages, with map and table of distances.

Survey of the NEW ROAD from MEDNIPOOR to HAUNDIPAUN, near Jushpoor, by M. Kittoe, Brevet Captain, Surveyor and Superintendent. 1840. *Scale, 4 miles to 1 inch; size, 14 inches by 25.* MS.

Plan of the GREAT TRUNK ROAD, from CALCUTTA to BENARES, exhibiting the Staging Bungalows, Dak Chowkies, Post Offices, &c. Compiled from actual Surveys, by C. Joseph. 1851. *Scale, 8 miles to 1 inch; size, 9 inches by 52.* MS.

Plan of the COUNTRY bordering the GREAT TRUNK ROAD between CALCUTTA and BENARES. Based on the Great Triangulation and Revenue Survey operations to 1857, with a Polymetrical Table of Distances in the Bengal Presidency, and the names of the Staging Bungalows from Calcutta to Benares with the distances between them. *Scale, 8 miles to 1 inch; size, 32 inches by 48; price 8s.*

COUNTRY NORTH of GANGES from MONGHYR to ALLAHABAD. Compiled from the Revenue Surveys, based on the Great Trigonometrical operations to 1858. *Scale, 8 miles to 1 inch; size, 32 inches by 40; price 6s.*

Routes in the BENGAL PRESIDENCY compiled from information in the office of the Quartermaster-General, by Major Fred. Roberts, V. C., Assistant Quartermaster-General. Calcutta, 1865. In one Vol. 4to. 692 pages, with a large map.

MAPS OF THE THIRTEEN GOVERNMENTS FORMING THE BENGAL PRESIDENCY.

I. BENGAL.

Including eight Regulation Provinces or Divisions, viz.:—Bhagalpur, Burdwan, Chittagong, Dacca, Orissa, Patna, Presidency, and Rajshahi; and one Non-regulation Province, viz.:—Chota-Nagpore.

Memoirs.

Statistical Account of BENGAL. By W. W. Hunter, B.A., LL.D., etc. 1875–76. 8vo., half-bound. Vol. I. Districts of the Twenty-four Parganas and Sundarbans. Vol. II. Districts of Nadiya (Nuddea) and Jessor. Vol. III. Districts of Midnapur and Hugli (including Howrah). Vol. IV. Districts of Bardwan, Bankura, and Birbhum. Vol. V. Districts of Dacca, Bakargary, Faridpur, and Maimansinh. Other volumes to follow.

General Maps and Atlases.

A Map of the KINGDOM of BENGAL, drawn from actual Surveys, and divided into Provinces; most humbly inscribed to the Honourable Court of Directors of the United Company of Merchants of England, trading to the East Indies, by their Honours' most devoted servant, James Rennell. 1768. *Scale, 10 geographical miles to 1 inch; size, 40 inches by 46.* MS.

A Map of BENGAL and BAHAR, with part of Orixa. Drawn from actual Surveys, by James Rennell, Surveyor-General. 1775. With a table of areas. *Scale, 10 geographical miles to 1 inch; size, 45 inches by 58.* **MS.**

Six MANUSCRIPT MAPS of DISTRICTS, by Dr. Buchanan Hamilton. Drawn in about 1814:—

1. Bhagalpur. *Size,* 11 *inches by* 14.
2. Northern part of the district of Gorakhpur. *Scale, about* 11½ *miles to* 1 *inch; size,* 11 *inches by* 14.
3. Map of the district of Ronggopur (Rungpur). *Scale, about* 11½ *miles to* 1 *inch; size,* 12 *inches by* 11.
4. District of Shahabad. *Scale, about* 11½ *miles to* 1 *inch; size,* 12 *inches by* 11.
5. Map of Zila Behar, including the city of Patna. *Scale, about* 11½ *miles to* 1 *inch; size,* 8 *inches by* 11.
6. Plan of the district of Puraniya (Purniah). 1809-10. *Size,* 17 *inches by* 11.

A new and improved Map of the PROVINCES of BENGAL and BEHAR, with Benares and adjoining territories, exhibiting the District Divisions, the Civil and Military Stations, and Police Thanas, and likewise the principal Indigo, Silk, and Sugar works. Compiled from the most recent Surveys and best information in the possession of Government and private individuals, by J. B. Tassin. 1841. *Scale,* 8 *miles to* 1 *inch: on* 14 *sheets; size of* 3 *each,* 21 *inches by* 24; *size of* 9 *each,* 21 *inches by* 27. Three sheets wanting.

The New BENGAL ATLAS, including Lower and Central Assam, with Benares and adjoining territories; exhibiting the District Divisions, Civil and Military Stations, and Police Thanas, and likewise the Indigo, Silk, and Sugar works. Compiled by J. B. Tassin. 1841. In 6 parts, mounted to fold, with an Index Map, and bound together in one Vol., folio.

POSTAL Map of BENGAL and BEHAR, showing the General and District Post Offices and Lines. 1862. *Scale,* 32 *miles to* 1 *inch; size,* 27 *inches by* 36; *price* 4*s.*

BENGAL, BEHAR, and ORISSA, comprising the Lieut.-Governorship of Bengal. 1868. *Scale,* 32 *miles to* 1 *inch; size,* 27 *inches by* 40; *price* 4*s.*

Another copy with manuscript corrections of the District Boundaries, dated March 11th, 1870.

Sketch Map of the PROVINCES comprising the Lieut.-Governorship of BENGAL showing Provincial and District Divisions. S. G. O. Calcutta, 1872. Taken from the preceding map.

The Provinces of BENGAL, BEHAR, and ORISSA, under the jurisdiction of the Lieut.-Governor of Bengal, with the Province of Assam under the Chief Commissioner. Calcutta, 1874. *Scale,* 16 *miles to* 1 *inch; on* 4 *sheets; size of each,* 27 *inches by* 40.

DISTRICT 24 PERGUNNAHS, NUDDEAH, JESSORE, FUREEDPORE, and BACKERGUNJ. 1847 to 1863. (Parts of Presidency and Dacca Provinces.) *Scale,* 8 *miles to* 1 *inch; size,* 34 *inches by* 26; *price* 3*s.*

Map of EASTERN BENGAL. Compiled from the Revenue Surveys based on the Great Triangulation in the Surveyor-General's Office, Calcutta, March 1871. *Scale,* 8 *miles to* 1 *inch; sheets,* 7, 8, 9, 10; *size of each,* 22 *inches by* 30.

Map of WESTERN BENGAL. Compiled from the Revenue Surveys based on the Great Triangulation in the Surveyor-General's Office, Calcutta, March 1871. *Scale,* 8 *miles to* 1 *inch; sheets* 11, 12, 13, 14, 15, 16, 17, 18, 19, 20; *size of each,* 22 *inches by* 30.

Index to the sheets of the map of Bengal. The foregoing both Eastern and Western.

Ferry Fund Maps.

Plans appertaining to the Sketch Estimates of the FERRY FUND WORKS, in the LOWER PROVINCES, of the year 1858–59 :—

1. Sketch of Boal Khalee and Hargazee Nula, Chittagong.
2. „ Postal Road from Chittagong to Teck Naff.
3. „ Road from Chittagong to Futeekchurry.
4. „ „ between Putteeah Tannah and Sakeera Bridge, Chittagong.
5. „ „ „ Chittagong and Big Fenny Rivers.
6. „ „ „ Noacolly and Tipperah.
7. Canals near Comillah.
8. Ferry Fund Roads, under charge of 24 Pergunnahs Magistrate in June 1858.
9. Roads in District Nuddeah.
10. „ „ Bhaugulpore.
11. „ Zillah Purneah.
12. „ District Monghyr, under Ferry Fund Committee.
13. „ „ Bancoorah.
14. „ „ Beerbhoom.
15. „ „ Burdwan.
16. „ Zillah Hoogly.
17. „ District Howrah.
18. „ „ Midnapoor.
19. Roads from Mymensing to the Jumoona River.
20. „ in Zillah Fureedpore.
21. Sketch of Jopekhallee Khall.
22. Roads in Dacca District.
23. „ District Rajshahee.
24. „ „ Rungpore.
25. „ „ Bograh.
26. „ „ Dinagepore.
27. „ „ Maldah.
28. „ „ Pubnah.

Plans appertaining to the Sketch Estimates of the FERRY FUND WORKS, in the LOWER PROVINCES, of the year 1859–60 :—

100. Proposed Canal to join the Booree Ganga and Goomtee.
113. Repairs of Roads from Dinagepore.
114. „ „ Bograh.
115. „ and new Roads in Moorshedabad.
116. „ „ Rungpoor.
117. „ „ Pubna.
118. Roads in Rajshaye District.
125. „ Bhaugulpore „
126. „ Monghyr „
127. „ Purneah „
152. „ Bancoorah „
153. „ Beerbhoom „
154. „ Burdwan „
155. „ Hoogly „
156. „ Howrah „
157. „ Midnapoor „
171. „ 24 Purgunnahs District.
172. New Road from Raja Haut to Calpee
173. Roads near Kishnagur, Nudeah.
174. „ in Jessore. 3 *sheets*.
175. Baraset District Roads.

Plans appertaining to the Sketch Estimates of the FERRY FUND ROADS, in the LOWER PROVINCES, of the year 1860–61 :—

289. Roads in Bhaugulpore District.
290. " Monghyr "
291. " Purneah "
303. " Bancoorah "
304. " Beerbhoom "
305. Bridge over the Mehidpore Nullah, on the Illambazar and Soorool Road.
306. Bridge over the Nullia Kunder, on the road from Sooree to Ahmudpore.
307. Roads in Burdwan District.
308. " Hoogly "
309. " Howrah "
310. " Midnapore "
323. " Patna "
333. " 24 Purgunnahs District.
334. " Jessore "
335. " Baraset "
345. " Bograh "
346. " Rungpore "

346 *bis.* Station Roads, Rungpore District.

347. Bridge over Lalpore Nullah, on the Pubna Road.
348. Roads in Moorshedabad.
349. Protection for banks of the Isamuttee River.
350. Roads in Dinagepore District.
351. Roads in Maldah District.

Roads and Routes in Bengal.

Survey of the ROUTE from CALCUTTA to GANJAM, through Midnapoor and Cuttack. Surveyed in 1809–10 by Captain F. Sackville, Surveyor, 41st Regiment, B.N.I. *Scale,* 2 *miles to* 1 *inch: on* 6 *sheets; size of each,* 21 *inches by* 29. MSS.

Rough Sketch, in illustration of Reports on Land Communication between CALCUTTA and PEGU. 1856. (Including from Chittagong to Prome.) *Scale,* 8 *miles to* 1 *inch; size,* 21 *inches by* 48.

Map of the DISTRICT of CHITTAGONG, with the Dacca and Arracan roads. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 42.

Bengal, Frontier Maps.

Map of the EASTERN FRONTIER of BRITISH INDIA, with the adjacent countries, extending to Yunan in China, by Captain R. Boileau Pemberton, 44th Regiment, N.I. 1838. *Scale,* 16 *miles to* 1 *inch: on* 12 *sheets; size of each,* 25 *inches by* 19.

NORTH-EAST FRONTIER, BENGAL. Including Sikkim; Bhootan; Assam; Garrow, Cossyah, Jynteea, and Naga Hills; Dinajpoor; Darjeeling; Rungpoor; Sylhet; Cachar; Coochbehar; &c. 1865. *Scale,* 8 *miles to* 1 *inch: on* 6 *sheets; size of each,* 22 *inches by* 30; *price* 12*s.*

Also a special copy, showing in MS. the separate revenue and other Surveys, alterations in the Boundaries of Divisions, &c., with reference to Revenue Despatch No. 43 of 1867.

The EASTERN BRITISH FRONTIER, bordering on BURMAH and MUNEEPOOR, from the latest surveys. 1869. *Scale,* 8 *miles to* 1 *inch; size,* 36 *inches by* 24; *price* 2*s., folded in a cover.*

EASTERN BRITISH FRONTIER, bordering on BURMAH and MUNNEEPOOR. From the latest Surveys, corrected up to April 1871. *Scale*, 6 *miles to* 1 *inch : on* 2 *sheets ; size of each*, 21 *inches by* 33.

*** With a table of notes on the Lushai Hills. Photozincograph.

Also a later edition corrected up to April 1872.

See also Munipur, p. 303.

I. BHAGALPUR DIVISION.

Including the Districts of—1, Bhagalpur; 2, Monghyr; 3, Purneah; 4, part of the Sonthal Pergunnahs.

Skeleton Map of BHAUGULPOOR DIVISION. Comprising the Districts of Bhaugulpore, Monghyr, Purneah, and Sonthal Purgunnahs, exhibiting the Civil and Criminal jurisdictions. Famine Relief Map, 1874, with sites of Government Grain Stores, Centres of Relief, Routes for conveyance of Grain, and Relief Works. *Scale*, 8 *miles to* 1 *inch. Size*, 36 *inches by* 25. *Folded.*

1. *Bhagalpur District.*

Map of the DISTRICT of BHAUGULPOOR, surveyed by Capt. W. S. Sherwill and Mr. J. J. Pemberton, Revenue Surveyors, in 1846, '47, '48, '49, and '50. *Scale*, 4 *miles to* 1 *inch ; size*, 48 *inches by* 35. MS.

The same, lithographed and published. *Price* 4*s*.

District BHAUGULPORE. Famine Relief Map. S. G. O. Calcutta, 1874. *Scale*, 4 *miles to* 1 *inch. Size*, 46 *inches by* 32. *Folded.*

District BHAUGULPOOR. 1846 to 1850. *Scale*, 1 *mile to* 1 *inch.* S.G.O. Calcutta, April 1874. To be completed in 17 sheets, of which sheets 1 to 14 are published, with an Index map.

District BHAGALPUR. From the Atlas of India. S. G. O. Calcutta, 1875. *Scale*, 4 *miles to* 1 *inch ; size*, 25 *inches by* 40.

BHAUGULPOOR, Plan of the TOWN, surveyed in 1867–8 by Lieut. Stewart, Revenue Surveyor, and Native Assistants. *Scale*, 6 *inches to* 1 *mile ; size*, 21 *inches by* 40 ; *price* 4*s*.

Block Plan of BHAUGULPORE SCHOOL HOUSE, 1868. *Size*, 15 *inches by* 36. On tracing cloth. MS.

Map (Geological) of PERGUNNAHS GODDA, and UMLOOMOTEEA, Zillah Bhagulpoor. Surveyed in season 1847–48, by Capt. S. R. Tickell, Officiating Revenue Surveyor. *Scale*, 1 *mile to* 1 *inch ; size*, 29 *inches by* 23. MS.

Map (Geological) of PURGUNNAH SOOLTANABAD, District Bhaugulpoor. Surveyed in 1850–51. *Scale*, 1 *mile to* 1 *inch ; size*, 26 *inches by* 20. MS.

Maps of PURGUNNAHS TELEEAGURHEE and JUMOONEE, District Bhaugulpoor. Surveyed by Captain W. S. Sherwill, Revenue Surveyor in season 1850–51, and Mr. R. Shaw, Assistant Revenue Surveyor in 1840–41. *Scale*, 1 *mile to* 1 *inch ; size*, 20 *inches by* 27.

Lithograph, with MS. additions showing the Geological features.

PURGUNNAH PUSSYE, Zillah Bhaugulpoor (Geological). *Size, 22 inches by* 24. MS.

Map of the JUNGLE THERRY DISTRICT, containing the March Routes of four successive journeys performed by Lieut.-Col. W. Francklin, Regulating Officer, from the end of 1813 to 1820 inclusive. *Scale, about* 6 *miles to* 1 *inch; size,* 23 *inches by* 32. MS.

A Survey of the RIVER CHANDUN, conjectured to be the Erannoboas, of the Greeks, from Chumpurnugghur, to its triple source in the vicinity of Deo-Ghur; and from thence to the South-western and North-eastern Boundaries of the Jungle Terry District, including the Passes on the Ramghur and Behar Frontiers; to Sooruj Ghurra on the Ganges. In the months of November, December, January, February, and March, A.D. 1814–15, by Lieut-Col. W. Francklin. *Scale,* 2½ *miles to* 1 *inch; size,* 34 *inches by* 52. MS.

2. *Monghyr District.*

MONGHYR (DISTRICT). 1836 to '39 and 1845 to '47. *Scale,* 1 *mile to* 1 *inch; on* 17 *sheets, with Index-map and title on sheet* 15; *size,* 11 *feet by* 8; *price* 17*s.*

Map of the DISTRICT of MONGHYR, surveyed by Capt. W. S. Sherwill, 66th Regiment N.I., Revenue Surveyor, in 1845, '46, and '47. *Scale,* 4 *miles to* 1 *inch; size,* 45 *inches by* 29. MS.

The same, lithographed and published. *Price* 4*s.*

Plan of the FORT of MONGHYR and FORT LANDS, situated outside the walls. Surveyed by Captain W. S. Sherwill, Revenue Surveyor, in 1846. *Scale,* 5 *chains to* 1 *inch; size,* 26 *inches by* 20.

CIVIL STATION and FORT of MONGHYR. 1866–7. *Scale,* 6 *inches to* 1 *mile; size,* 18 *inches by* 24; *price* 1*s.*

Geological Map of that portion of ZILLAH MONGHYR, lying to the south of the Ganges, together with a portion of Zillah Bhaugulpore, similarly situated. Constructed and surveyed by Captain Walter Sherwill, Revenue Surveyor. 1847. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 40. Lithograph.

3. *Purneah District.*

Map of the DISTRICT of PURNEAH, surveyed by Messrs. J. Fitzpatrick and J. J. Pemberton, Revenue Surveyors, in 1840, '41, '42, '43, '44, '45, '46, and '47. *Scale,* 4 *miles to* 1 *inch; size,* 35 *inches by* 37. MS.

The same, lithographed and published. *Price* 4*s.*

DISTRICT PURNEAH, 1840 to 1847. *Scale,* 1 *mile to* 1 *inch.* S.G.O. Calcutta, April 1871. *On* 18 *sheets, size of each* 25 *inches by* 40.

4. *Sonthal Pergunnahs.*

See Map of BHAUGULPOOR DIVISION, page 172; and Indian Atlas.

II. BURDWAN DIVISION.

Including the Districts of—1, Bankoora; 2, Beerbhoom; 3, Burdwan; 4. Hooghly; and 5, Midnapore.

1. *Bankoora District.*

DISTRICT BANCOORAH or WEST BURDWAN. 1854 to '56. *Scale*, 4 *miles to* 1 *inch; size*, 25 *inches by* 21.

*** Preliminary Map, showing the Geological features.

DISTRICT BANCOORAH or WEST BURDWAN. 1854 to '56. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 27. MS.

The same, lithographed and published. *Price* 4*s*.

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BANCOORAH, or West Burdwan. 1854 to '56. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 7; *on* 7 *sheets, including a General Map of the District; price* 14*s*.

No. 1.	Purgunnahs	Bishenpoor,	Baruhazaree,	Sahurjorah, &c.
No. 2.	"	"	"	Malliarah, &c.
No. 3.	"	"	"	
No. 4.	"	"	"	
Nos. 5, 6.	"	"	"	and Johanabad.
No. 7.	"	"	"	Shahazadpoor, &c.

2. *Beerbhoom District.*

Map of the DISTRICT of BEERBHOOM, surveyed by Capt. W. S. Sherwill, Revenue Surveyor, 1849 to '52. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 40. MS.

The same, lithographed and published. *Price* 2*s*.

PERGUNNAH or MAIN CIRCUIT MAPS of DISTRICT BEERBHOOM. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 13; *on* 14 *sheets, including a General Map of the District; price* 30*s*.

No. 1. Tuppeh Saruth Deoghur, 2 sheets.
No. 2. Map of Taluka Pubbia. (Sonthal pergunnah.)
No. 3. Map of purgunnahs Nonee and Mullerpoor.
No. 4. Tuppeh Kundit Kurayah. (Sonthal pergunnah.)
No. 5. Map of purgunnahs Zynoojal and Alinuggur.
No. 6. Map of tuppehs Hurripoor and Mohumdabad, with pergunnahs Hookmapoor-Khutunga, Akbershahee, and Dhawa.
No. 7. Pergunnahs Shahallumpoor and Khirnee, with talooka Pudra.
No. 8. Map of purgunnahs Synbhoom, Bhoorkundeh, Umdhureh, Khurgaon, Barbuksing, and Sheopoor.
No. 9. Map of purgunnahs Dureen Molisser, and Sabik Molisser.
No. 10. Purgunnahs Inchapokur, Futtehpoor, Poorundurpoor, and Kootoobpoor.
No. 11. Purgunnahs Suroobsing, Shahzadpoor, and Jowas Ibrahimpoor.
No. 12. The same as No. 8, geologically coloured.
No. 13. The same as No. 5, geologically coloured.
Index Map.

3. *Burdwan District.*

DISTRICT BURDWAN, 1855 to '57. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 34. MS.

The same, lithographed and published. *Price* 2*s*.

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BURDWAN. 1855 to '57. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 10; *on* 11 *sheets, including a General Map of the District on the scale of* 4 *miles to* 1 *inch; price* 35*s*.

No. 1. Purgunnah Monohurshahee.
No. 2. „ Dheyia, Indranee, &c.
No. 3. „ Jhehangeerabad, Sautsoika, &c.
No. 4. „ Raneehattee, Umbeeka Raiepoor, &c.
No. 5. „ Nuluhee, Choteepoor, and Havellee.
No. 6. „ Shahabad, Auzmutshahee, and Burdwan.
No. 7. „ Burdwan, Auzmutshahee Bagha, &c.
No. 8. „ Chumpanugguree, Senpaharee, &c.
No. 9. „ Sherghur.
No. 10. „ Khundghose, Sumurshahee, Havellee.

4. *Hooghly District.*

Map of the DISTRICT of HOOGLY. Surveyed by Mr. W. A. Wilson, Assistant Revenue Surveyor, in 1844, '45, and '46. *Scale*, 4 *miles to* 1 *inch; size*, 36 *inches by* 24. MS.

The same, lithographed and published. *Price* 2*s*.

CHINSURAH CANTONMENT and ENVIRONS. Surveyed in 1869–70. *Scale*, 16 *inches to* 1 *mile; on* 19 *sheets; size of each*, 22 *inches by* 30.

CHINSURAH CANTONMENT and ENVIRONS. 1869–70. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 40 *inches by* 27.

The TOWN and ENVIRONS of SERAMPOOR, District Hooghly. *Scale*, 16 *inches to* 1 *mile; size*, 27 *inches by* 43; *price* 5*s*. *Mounted to fold in a cloth cover.*

Map of the DANISH SETTLEMENT of SERAMPOOR, including the lands of Pearapoor dependent thereon, situated in the Province of Bengal, on the west bank of the Hoogly River. Surveyed by Charles Joseph. 1842. *Scale*, 170 *yards to* 1 *inch; size*, 32 *inches by* 58. MS.

Plan of the HON. COMPANY'S BOTANIC GARDEN, District Hoogly. Surveyed in season 1845–46. *Scale*, 330 *feet to* 1 *inch; size*, 20 *inches by* 26.

5. *Midnapore District.*

Map of the DISTRICTS of MIDNAPORE and HIJELLEE, surveyed by Lieuts. R. Mathison and J. F. Egerton, Revenue Surveyors; and Mr. W. A. Wilson, Assistant Revenue Surveyor, in 1838, '39, '40, '41, '42, '43, '44, and '45. *Scale*, 4 *miles to* 1 *inch; size*, 31 *inches by* 39. MS.

The same, lithographed and published. *Price* 4*s*.

Another copy geologically coloured.

Map of DISTRICT MIDNAPORE. Survey commenced in 1838–39 and completed in 1844–45. *Scale*, 4 *miles to* 1 *inch; size*, *inches by* 38.

Geological Sketch of the SOUTHERN PORTION of the MIDNAPORE DISTRICT, including Injellee. Constructed from materials in the Surveyor-General's Office, 1825. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 23. MS.

HIDGELLEE DISTRICT bordered on the North and West by Midnapoor and Jellasore, and on the East and South by the Hoogly River. Without Title. *Scale*, 2 *miles to* 1 *inch; size*, 28 *inches by* 40. MS.

Map of HIJELLEE and TUMLOOK, forming part of Zillah Midnapoor. Surveyed in seasons 1838, '39,' 40, and '41, by Lieutenants J. F. Egerton and R. Mathison. *Scale*, 1 *mile to* 1 *inch; size*, 55 *inches by* 60.

Map of the Country adjacent to the lower parts of the COURSES of the DAMOODAH and DALKISSUR RIVERS, showing the lines of Levels taken in 1852–53 by Lieuts. Stewart and De Bourbel, Bengal Engineers, and Mr. Nield, Surveyor; to illustrate the reports on the Damoodah Floods, contained in the 15th number of the selections from the Records of the Bengal Government. 1854. *Scale*, 2 *miles to* 1 *inch; size*, 42 *inches by* 35. Lithograph on tracing cloth.

Geological Surveys in Burdwan Division.

Map of the Damoodah and ADJI GREAT COAL FIELD, in the Zillahs of West Burdwan, Monbhoom, and Beerbhoom. Bengal. 1847. *Scale*, 1 *mile to* 1 *inch; size*, 39 *inches by* 51. Lithograph.

The western *half* of the same. MS.

Vertical section of the COAL MEASURES in the DAMOODAH VALLEY. 1847. *Scale*, 40 *feet to* 1 *inch; size*, 40 *inches by* 26. Lithograph.

Sections of the DAMOODAH COAL FIELD. 1847. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 26 *inches by* 40. Lithograph.

No. 1. Section. From Medjeah on the South, to Kashtor on the North of the Adji.
No. 2. „ From the West of Terrapore on the South, to Seersole on the North.
No. 3. „ From Pachet Hill on the South, to Gogganah on the North.
No. 4. „ From Gurrungee Hill on the South of Damoodah River, to the Deybeetan Hill on the North of the Barukkur River.

Section across the KYMORE MOUNTAINS from the Sone River on the South, to the Gangetic plains on the North. 1848. *Scale, vertical and horizontal*, 6 *inches to* 1 *mile; size*, 26 *inches by* 40.

Map of the DAMUDA (Raniganj) COAL FIELD, Bengal. 1861. *Scale*, 1 *mile to* 1 *inch; size*, 27 *inches by* 42.

The Plan of the RANEEGUNGE COAL MINES, commenced in November 1816. By C. Burton, Superintendent of the Raneegunge Coal Mines, since the month of February 1822 until the month of November 1830. *Size*, 40 *inches by* 19. MS.

III. CHITTAGONG DIVISION.

Including the Districts of—1, Chittagong; 2, Chittagong Hills; 3, Noakholly; 4, Tipperah Hills.

1. *Chittagong District.*

A map of the PROVINCE of CHITTAGONG. Surveyed in 1815, '16 by J. Cheape, Lieut. Engineers. *Scale*, 2 *miles to* 1 *inch; size*, 82 *inches by* 38; 2 *copies*. MS.

Map of the DISTRICT of CHITTAGONG. Surveyed by Lieut. H. Siddons, Bengal Engineers, Revenue Surveyor in 1835, '36, '37, '38, '39, '40, and '41. *Scale,* 4 *miles to* 1 *inch; size,* 48 *inches by* 25. MS.

The same, lithographed and published. *Price* 2*s*.

DISTRICT of CHITTAGONG. 1835 to '41, and 1861 to '66. *Scale,* 4 *miles to* 1 *inch; on* 3 *sheets; size of each,* 22 *inches by* 30; *price without hills* 6*s*., *or with hills* 8*s*.

Also, a copy with hills, photographed by Capt. Melville, 1867.

Plan of the STATION of CHITTAGONG. By E. R. Boileau, Assistant Revenue Surveyor. *Scale,* 12 *inches to* 1 *mile; size,* 43 *inches by* 26; *price* 2*s*.

3. *Noakholly District.* 4. *Tipperah Hills* (*Native Territory*).

DISTRICTS TIPPERAH and NOACOLLY, including HILL TIPPERAH. 1861 to '65. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size,* 48 *inches by* 38; *price* 8*s*.

DISTRICTS TIPPERAH and NOACOLLY. 1861 to '65. *Scale,* 4 *miles to* 1 *inch; size,* 42 *inches by* 26. Photographed.

IV. DACCA DIVISION.

Including the Districts of—1, Backergunge; 2, Dacca; 3, Furreedpore; 4, Mymensingh; 5, Tipperah.

1. *Backergunge District.*

DISTRICT of BACKURGUNJ. 1860–3. Lower Provinces, Revenue Surveys. Surveyed by Major J. E. Gastrell and Lieut. W. J. Stewart, Revenue Surveyors and Assistants. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 34. MS.

The same, lithographed and published. *Price* 6*s*.

A portion of DISTRICT BACKURGUNJ, to complete Atlas Sheet No. 121. Surveyed by Capt. J. E. Gastrell and Assistants in 1589 to 1862. *Scale,* 4 *miles to* 1 *iach; size,* 26 *inches by* 19. MS.

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BACKERGUNJE. 1860–63. *Scale,* 1 *mile to* 1 *inch; Nos.* 1 *to* 21, *on* 13 *sheets, including a General Map of the District on the scale of* 4 *miles to* 1 *inch; price* 30*s*.

No. 1. Purgunnahs Kotaleepara, Futtehjungpoor, &c.
No. 2. Purgunnahs Bungrora, Beermohun, &c.
Nos. 3 and 4. Purgunnahs Edilpoor, &c.
Nos. 5 and 9. Purgunnahs Selimabad, Chundrodeep, &c.
No. 6. Purgunnahs Selimabad, Chundrodeep, &c.
Nos. 7 and 8. Purgunnahs Edilpoor, Chundrodeep, &c.

No. 10. Purgunnahs Syudpoor, Selimabad, &c., and portion of Sunderbuns adjoining.
Nos. 11 and 14. Purgunnahs Boozoorg, Oomedpoor, Arungpoor, &c.
No. 12. Purgunnahs Chundrodeep, Shaistanuggur, &c.
Nos. 13, 15, and 17. Purgunnahs Chundrodeep, Nazirpoor, &c.
Nos. 16, 20, 22, 23, 24. Purgunnahs Syudpoor and Boorzoorg, Oomedpoor, together with adjacent portions of Soonderbuns.
Nos. 18, 19, and 21. Purgunnahs Chundrodeep and Jafrabad, Rufeanuggur, and portion of Soonderbuns adjoining.

The DISTRICT of BAKARGANJ, its History and Statistics. By H. Beveridge, B.C.S., Magistrate and Collector of Backarganj. London, 1876. 8vo., cloth.

CIVIL STATION of BURRISAUL. Surveyed under the superintendence of Major J. E. Gastrell, Revenue Surveyor, by Messrs. H. Littlewood and C. David, Assistant Revenue Surveyors. 1860–61. *Scale*, 16 *inches to* 1 *mile; size*, 38 *inches by* 28; *price* 2*s*.

2, 3. *Dacca and Furreedpore Districts.*

DISTRICTS of DACCA and FUREEDPOOR. 1857 to '60. (Surveyed by Capt. J. E. Gastrell and Mr. N. T. Davey.) *Scale*, 4 *miles to* 1 *inch; size*, 38 *inches by* 42. MS.

The same, lithographed and published. *Price* 4*s*.

2. *Dacca District.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT DACCA. 1857 to 1860. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 14 *on* 9 *sheets; price* 36*s*. *There is no Index Map with the series, but there is a separate District Map of Dacca and Fureedpoor.*

Nos. 1 and 2. Purgunnah Bhowal, &c.
„ 3 and 4. Purgunnahs Echapoor, Bhowal, Jehangeernuggur, &c.
„ 5 and 6. Purgunnah Chandertap, &c.
„ 7 and 8. Purgunnahs Mokeemabad, Arungabad, &c.
„ 9. „ „ „
„ 10. „ Bikrumpoor.
„ 11. „ Sonorgaon, Moheshurdee, &c.
„ 12. „ Moheshurdee and Bhowal.
„ 13 and 14.* „ Rajnugur and Bykunthpoor.

CITY of DACCA including CANTONMENTS. 1859. *Scale*, 12 *inches to* 1 *mile; size*, 36 *inches by* 48; *price* 10*s*. 6*d*., *mounted to fold in a cloth cover.*

3. *Furreedpore District.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT FUREEDPOOR. 1858–60. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 9 *on* 5 *sheets; price* 36*s*. *There is no Index Map with this series, but there is the separate District Map of Dacca and Fureedpoor.*

Nos. 1 and 3. Purgunnahs Nuseebshahee, Moheemshahee, &c.
„ 2 and 8. „ Huvelee, Shatoir, Chur Mukoondea, &c.
„ 4, 5, and 6. „ Nuldee, Teleehatee, Jullalpoor, Huvelee, &c.
„ 7 and 7½. „ Mokimpoor, Sooltanpoor, Khurroreea, &c.
„ 9. „ Jullalpoor.

* Nos. 13 and 14 have been transferred to District Backergunge.

CIVIL STATION of FUREEDPOOR. 1858–59. *Scale,* 8 *inches to* 1 *mile; size,* 21 *inches by* 18; *price* 4*s., mounted to fold in a cloth cover.*

4. *Mymensingh District.*

DISTRICT MYMENSING. 1850 to 1857. Sheet of the Revenue Survey of India under the direction of Lieut.-Col. H. L. Thuillier, F.R.G.S., Surveyor-General of India. Surveyed by Messrs. A. Wyatt, Revenue Surveyor; F. S. Swiney, Assistant Revenue Surveyor, and sub-assistants. *Scale,* 4 *miles to* 1 *inch; size,* 46 *inches by* 38. MS.

The same, lithographed and published. *Price* 6*s.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT MYMENSING. 1850 to '57. *Scale,* 1 *mile to* 1 *inch; Nos.* 1 *to* 49; *on* 25 *sheets, including a General Map of the District on the scale of* 4 *miles to* 1 *inch; price* 5*l.* 6*s.*

No. 1. Purgunnah Attia.
„ 2. Portions of Purgunnahs Kagmaree and Burbazoo.
„ 3. „ Purgunnah Pokhureea, &c.
„ 6. Purgunnah Burbazoo.
„ 8 and 9. Purgunnah Alapsing.
„ 15 and 16. Purgunnahs Jafurshahee and Mookeemabad.
„ 17 and portion of 13. Purgunnah Kagmaree.
„ 20. Purgunnah Run Bhowal.
„ 23. Mymensing, and Tuppeh Sutsikka of Purgunnah Alapsing, &c.
„ 25. Portions of Purgunnahs Hooscynshahee, and Tuppeh Toollunder of Kooreekhaee, &c.
„ 26. Portions of Purgunnahs Joar-Hooseynpoor and Tuppeh Hazradee, &c.
„ 24 and 28. Purgunnahs Mymensing, Raedom, Nusseeroojeeal, &c.
„ 29 and 20. Portions of Purgunnahs Mymensing and Durzeebazoo, &c.
„ 27 and 31. Portions of Purgunnahs Hooseynshahee, Nusseeroojeeal, Tuppeh Singdha, Durzeebazoo, Hazradee, &c.
„ 32 and 33. Portion of Purgunnah Nusseeroojeeal.
„ 34, 35, 36. Portions of Tuppehs Hazradee and Kooree Khaee.
„ 37. Portions of Purgunnahs Joanshahee, &c.
„ 38 and 39. Purgunnah Khulleeajooree and portions of Purgunnahs Joanshahee, and Nusseeroojeeal.
„ 40. Portions of Purgunnahs Shooshung, Mymensing, &c.
„ 41 and 42. Portion of Purgunnah Shooshung.
„ 43 and 44. Portion of Purgunnah Sheyrpoor, &c.
„ 45 and 46. Portions of Purgunnahs Sheyrpoor, Pokhureea, &c.
„ 47. Purgunnah Sheyrpoor, and Tuppeh Sathsikka of Alapsing.
„ 48 and 49. Purgunnahs Shooshung, Sheyrpoor, &c.

CIVIL STATION and TOWN of MYMENSING. 1853–54. *Scale,* 8 *inches to* 1 *mile; size,* 27 *inches by* 36; *price* 2*s.*

5. *Tipperah District.*

PERGUNNAH Maps of DISTRICT TIPPERAH. *Scale,* 1 *mile to* 1 *inch; Nos.* 1 *to* 12 *on* 11 *sheets; price* 44*s. There is no Index or General Map for this District.*

No. 1. Pergunnah Seraeel. 1861–2.
No. 2. „ Noornuggur, &c.
No. 3. „ Burdakhat, Nowabad, &c.
No. 4. „ „ Pateekera, &c.
Nos. 5 & 6. „ „ Nowabad, Meharkool, Gungamandal, &c.

No. 7. Pergunnah Dollace, Mahabutpoor, &c.
No. 8. " Homnabad, Kadba, &c.
No. 9. " Mehurkool, Bagasaeer, &c.
No. 10. " Khundul, &c.
No. 11. " Mahabutpoor, Tera, &c.
No. 12. " Mehar, Chowdogaon, &c.

For a General Map of Tipperah District, *see* Noakholly District, now in Chittagong Division.

CIVIL STATION of COMILLAH. 1862, '63. *Scale*, 8 *inches to* 1 *mile; size*, 27 *inches by* 40 ; *price* 2*s*.

V. ORISSA DIVISION.

Including the Districts of—1, Balasore; 2, Cuttack; 3, Pooree; 4, Cuttack Tributary Estates.

General Map.

The PROVINCE of CUTTACK, in Orissa. Surveyed by order of the Right Honourable Gilbert, Lord Minto, Governor-General, &c., and inscribed to Major-General John Garstin, Chief Engineer and Surveyor-General, Bengal, by Frederick Sackville, Captain and Surveyor. 1812. *Scale, about* 2 *miles to* 1 *inch; on* 6 *sheets; size of each*, 52 *inches by* 30. MS. Two sheets missing, the N.W. and East.

Map of a part of the DISTRICT of CUTTACK. Surveyed by Lieut. B. Buxton of the Engineers. 1818? *Scale*, 4 *miles to* 1 *inch; size*, 60 *inches by* 44. MS.

Lieut. B. Buxton's TRIANGULATION and SURVEY of part of the CUTTACK DISTRICT, comprising Balasore Pergunnah, Neelgur, Mohurgunge, and the course of part of the Soobunreeka River, 1820. *Scale*, 2 *miles to* 1 *inch; size*, 44 *inches by* 42. MS.

Lieut. Buxton's SURVEY in the CUTTACK PROVINCE. 1820. *Scale*, 1 *mile to* 1 *inch; size*, 74 *inches by* 42. MS.

Map of the PROVINCE of ORISSA, comprising the Northern, Central, and Southern Divisions of Cuttack; or Balasore, Cuttack, and Pooree. Surveyed by Lieuts. H. L. Thuillier, R. Smith, and Mr. J. Fitzpatrick, Revenue Surveyors, 1837 to 1842. *Scale*, 4 *miles to* 1 *inch; on* 4 *sheets; size*, 61 *inches by* 54; *price* 12*s*.

Another copy, geologically coloured.

Map of the ORISSA DIVISION, comprising the Districts of Balasore, Cuttack, and Pooree; exhibiting the new Civil and Criminal Jurisdictions. Reprinted from the engraved sheets of the Atlas of India. 1869. *Scale*, 4 *miles to* 1 *inch; on* 6 *sheets; size of each*, 29 *inches by* 25. *Photozincograph.*

*** *See also* Orissa Topographical Survey, pp. 182–184, 202–204, 327, 328.

1. *Balasore District.*

Map of the DISTRICT of BALASORE. Surveyed by Mr. John Fitzpatrick, Revenue Surveyor, in 1838, '39, '40, '41, and '42. *Scale*, 4 *miles to* 1 *inch; size*, 33 *inches by* 27; *price* 3*s*.

Map of BALASORE or NORTHERN DIVISION of CUTTACK, exhibiting the Pergunnahs and other local divisions. Surveyed in seasons 1838, '39, '40, '41, and '42. *Scale,* 1 *mile to* 1 *inch; on* 8 *sheets; size of each,* 27 *inches by* 22; *price* 16*s*.

DISTRICT of BALASORE, reprinted from the original Revenue Survey Maps. Surveyed in seasons 1838, '39, '40, '41, and '42. *Scale,* 1 *mile to* 1 *inch; on* 9 *sheets; size of each,* 26 *inches by* 35; *price* 16*s*.

_ With the addition of Roads and Canals introduced by the Chief Engineer, Irrigation Department, in 1869. Index Map on sheet No. 1.

Polhill's Survey of the DISTRICT of BALASORE. *Scale,* 2 *miles to* 1 *inch; size,* 20 *inches by* 24. MS.

Tracings of the RAJGHAUT and CUTTACK ROAD (Balasore District). Signed, T. W. Armstrong, C.E. Cuttack, December 26th, 1855.

1. Plan of Balasore, showing site of the old Mahratta Ghaut. *Scale,* 2 *inches to* 1 *mile; size,* 16 *inches by* 15.
2. Designs for Drain Bridges. *Scale,* 8 *feet to* 1 *inch; size,* 26 *inches by* 36.
3. Design for a Bridge, three arches, 20 feet span. *Scales,* 8 *feet and* 5 *feet to* 1 *inch; size,* 24 *inches by* 36.
4. Design for a Bridge, one arch, 20 feet span. *Scale,* 8 *feet to* 1 *inch; size,* 17 *inches by* 26.

5 and 6. Cross Sections of the Burrabullung River. *Scales,* 50 *feet and* 10 *feet to* 1 *inch.* On two sheets, marked Nos. 1 and 2.

7. Plan of a portion of the Juggurnauth Road and adjacent country north of Balasore, showing the Noonajoory Bridge and Lines proposed by the Military Board and Superintending Engineer, S.E.P. *Scale,* 3 *inches to* 1 *mile; size,* 24 *inches by* 37.

2. *Cuttack District.*

A SURVEY of part of the PROVINCE of CUTTAC, executed during the operations of the Detachment under the command of Colonel Harcourt, in the months of November, December, January, February, and March, 1804, '05. by J. T. Blunt, Captn. Engineers. *Scale,* 3½ *miles nearly to* 1 *inch; size,* 32 *inches by* 39. MS.

Plan of the MAHANUDDY RIVER, from the Town of Kuttuc, (Cuttack), to its embouchure at False Point in the Bay of Bengal, by Lieuts. Sackville and Blane. 1810. *Scale,* 1 *mile to* 1 *inch; size,* 25 *inches by* 66.

CENTRAL DIVISION of CUTTACK, showing the boundaries of Purgunnahs and other local divisions. Surveyed in 1838, '39, '40, '41, and '42, A.D. By Lieut. R. Smyth, Revenue Surveyor. *Scale,* 1 *mile to* 1 *inch; on* 15 *sheets, with a separate Index Map; size of each sheet,* 30 *inches by* 22; *price* 30*s*.

Map of the DISTRICT of CUTTACK. Surveyed by Lieut. R. Smyth, Bengal Artillery, Revenue Surveyor in 1838, '39, '40, '41, and '42. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 33; *price* 3*s*.

DISTRICT CUTTACK. Copied from the Original Maps, and exhibiting civil and criminal jurisdictions. Surveyed in seasons 1838, '39, '40, '41, and '42. With the addition of roads and canals introduced by the Chief Engineer, Irrigation Department. 1869. *Scale,* 1 *mile to* 1 *inch; on* 9 *sheets; size of each,* 29 *inches by* 40; *price* 12*s*. *Index Map on sheet* 1.

DISTRICT CUTTACK. *Scale,* 4 *miles to* 1 *inch.* From the Atlas of India. S. G. O. Calcutta, 1876. *Size,* 26 *inches by* 34.

KILLAH BANKEE, District Cuttack. Surveyed by Lieut. Henry Thuillier, Bengal Artillery. Seasons 1837, '38, '39, '40, '41. *Scale,* 1 *mile to* 1 *inch; size,* 22 *inches by* 30; *price* 1*s.*

*** Annexed by Government.

KILLAH UNGOOL (Angool), Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton, in charge Ganjam and Orissa Topog. Survey. Seasons 1853 to '54. *Scale,* 1 *mile to* 1 *inch; on* 4 *sheets; size,* 56 *inches by* 44; *price* 5*s.*

*** Annexed by Government.

Plan of the TOWN and VICINITY of CUTTACK. Surveyed by B. Buxton, Ensign. 1818. *Scale,* 4 *inches to* 1 *mile; size,* 30 *inches by* 34. MS.

Field Book of the SURVEY of the TOWN and VICINITY of CUTTACK, 23rd July 1818, to 3rd February 1821. By Lieut. B. Buxton, Engineers. MS.

Map of the TOWN and STATION of CUTTACK. Surveyed by Lieut. R. Smyth, Bengal Artillery, Revenue Surveyor, in season 1840–1. *Scale,* 4 *inches to* 1 *mile; size,* 26 *inches by* 33 ; *price* 3*s.*

3. *Pooree District.*

Map of POOREE or SOUTHERN DIVISION of CUTTACK, exhibiting the Pergunnahs, Killahs, Zillahs, and other local divisions; with the Chilka Lake. Surveyed in seasons 1837, '38, '39, '40, '41, by Lieut. Henry Thuillier, Bengal Artillery. *Scale,* 1 *mile to* 1 *inch; on* 9 *sheets; size,* 75 *inches by* 106; *with a separate Index; price* 18*s.*

MAP of the DISTRICT of POOREE or SOUTHERN DIVISION of CUTTACK. Surveyed by Lieut. H. L. Thuillier, Bengal Artillery, in 1837, '38, '39, '40, and '41. *Scale,* 4 *miles to* 1 *inch ; size,* 26 *inches by* 33 ; *price* 3*s.*

DISTRICT POOREE, reprinted from the original Revenue Survey Maps, and exhibiting civil and criminal jurisdictions. Surveyed in seasons 1837, '38, '39, '40, and '41.

*** With recent additions of roads and canals, introduced by the Chief Engineer, Irrigation Department. 1869. *Scale,* 1 *mile to* 1 *inch; on* 8 *sheets; size of each,* 27 *inches by* 37; *price* 14*s. Index Map on sheet No.* 1.

Plan of the CITY of JUGGURNAUTH, or SREE PROSOOTOMKHATER, District Pooree. Surveyed by Lieut. H. L. Thuillier, Artillery Revenue Surveyor, season 1840, '41. *Scale,* 8 *inches to* 1 *mile; size,* 26 *inches by* 36; *price* 3*s.*

Cuttack and Chota Nagpore Mehals.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY. 1850–52. *Scale,* 2 *miles to* 1 *inch. Sheet* Nos. 12, 13, 14 *on one sheet,* containing portions of Keunjhar, Morbhanj, Nilgiri, and Sukinda. Nos. 15, 15*a*, *on one sheet,* containing portions of Sukinda, Keunjhar, and Dhenkanal. *Size of each,* 27 *inches by* 40. Photozincographed.

Map of AUTGUR, one of the Tributary Mehals of Cuttack. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets* (Western sheet missing) ; *size of each,* 37 *inches by* 24. No title. MS.

Skeleton Plan of the BOAD ZEMINDARY, &c. (Cuttack Mehals). *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 33. MS.

KILLAH HINDOLE, Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton, in charge Ganjam and Orissa Topog. Survey. Seasons 1851 to '53. *Scale,* 2 *miles to* 1 *inch; size,* 16 *inches by* 21; *price* 2*s.*

KILLAH KANDAPADA, Cuttack Tributary Mehals. Surveyed by Capt. G. H. Saxton and Assistants. Season 1852–53. *Scale,* 1 *mile to* 1 *inch. Photozincograph,* 1871. *Size,* 26 *inches by* 34.

Map of the NYAGUR ESTATE, Tributary Mehal of Cuttack, surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by Messrs. C. A. Summers, C. Snell, and R. H. Long, Sub-Assistant Surveyors, in the season 1852, '53. *Scale,* 1 *mile to* 1 *inch; size,* 31 *inches by* 35. MS.

KILLAH NYAGURH, Cuttack Tributary Mehals. Surveyed by Captain G. H. Saxton and assistants. Season 1852 '53. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 24 *inches by* 36; *price* 3*s.*

A Map of the NILGIRI, and a portion of the Mohurbunj Tributary Mehals of Cuttack. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General. No title or date. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 29. MS.

KILLAH RANAPUR, Cuttack Tributary Mehals. Surveyed by Captain G. H. Saxton and assistants. Season 1852 '53. *Scale,* 1 *mile to* 1 *inch; size,* 34 *inches by* 26; *price* 2*s.*

KILLAH TALCHEER. Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton and Captain G. C. Depree, in charge Ganjam Topog. Survey. Seasons 1853 to '57 and 1860, '61. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 42 *inches by* 34; *price* 4*s.*

The Topographical Survey of the CUTTACK MEHALS:—

1850 to '53.

Map of a portion of the TRIBUTARY MEHALS of CUTTACK. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, in the seasons 1850, '51, '52, and '53. (Extending from Goomsoor to Moharbunge on the north.) *Scale,* 4 *miles to* 1 *inch: on* 2 *sheets; size,* 40 *inches by* 37. MS.

Map of a portion of the TRIBUTARY MEHALS of CUTTACK. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by Messrs. C. A. Summers, R. Howard, W. H. Turnbull, C. Snell, J. Leigh, R. H. Long, J. Chatelier, and J. G. King, Sub-Assistant Surveyors. Seasons 1851, '52, and '53. (The same area as the foregoing.) *Scale,* 2 *miles to* 1 *inch: on* 3 *sheets; size of each,* 37 *inches by* 26. MS.

1853, '54.

A portion of the CUTTACK TRIBUTARY MEHALS (comprising Atmullick, Ungool, and Talcheer, lying to the north of the Mahanadi River). 1853, '54. *Scale,* 1 *mile to* 1 *inch: on* 4 *sheets; size,* 51 *inches by* 49. MS.

Portions of the CUTTACK TRIBUTARY MEHALS, comprising Atmullick, Ungool, Talcheer, to the north and of parts of Daspala and Boad Mehals, lying to the south of the Mahanadi River. Surveyed under the superintendence of Captain G. H. Saxton, Assistant Surveyor-General, by J. C. King, Sub-Assistant Surveyor, in the season 1853 '54. *Scale*, 2 *miles to* 1 *inch: on* 2 *sheets; size of each*, 36 *inches by* 23. MS.

Plan of a portion of DASPALA and BOAD, Tributary Mehals of Cuttack. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by J. C. King, Sub-Assistant Surveyor, in season 1853 '54. *Scale*, 2 *miles to* 1 *inch; size*, 24 *inches by* 26. MS.

1854, '55.

A portion of CUTTACK TRIBUTARY MEHALS and SOUTH-WESTERN FRONTIER of BENGAL. Surveyed in season 1854 '55. (Including parts of Bamra, Radakole, &c. on the S.E. of Sumbulpoor in the Central Provinces.) *Scale*, 1 *mile to* 1 *inch: in* 4 *sheets; Nos.* 1 *and* 2 *only; size of each*, 26 *inches by* 37. MS.

1855, '56, '57.

A portion of the TRIBUTARY MEHALS of CUTTACK, and SOUTH-WESTERN PROVINCES of BENGAL. 1855, '56, '57. (Including Raigar to Sonpoor, in the Mahanuddy Valley, now in the Central Provinces.) *Scale*, 1 *mile to* 1 *inch: in* 6 *sheets, marked Nos. I., II., III., IV., V., VI.; size of each*, 22 *inches by* 38. MS.

1858, '59.

A portion of the CUTTACK TRIBUTARY MEHALS of KEONJUR and MOHARBANJ. Season 1858 '59. *Scale*, 1 *mile to* 1 *inch: in* 4 *sheets, marked Nos.* 1, 2, 3, 4; *size of each*, 39 *inches by* 22. MS.

1859, '60, '61.

Portions of TRIBUTARY MEHALS of CUTTACK and SOUTH-WESTERN PROVINCES of BENGAL. Season 1859, '60, '61. (Moharbanj, Dhalbhoom, &c.) *Scale*, 1 *mile to* 1 *inch: on* 9 *sheets; size of each*, 27 *inches by* 40. MS.

*** For continuations, &c., *see* The Chota Nagpore Surveys, p. 202; also the Ganjam and Orissa Surveys, pp. 327, 328.

CUTTACK TRIBUTARY MEHALS and SOUTH-WESTERN PROVINCES of BENGAL. *Reduced to a scale of* 4 *miles to* 1 *inch: on* 14 *sheets*, 9, 10, 11, 12, 13, 14 *of various sizes.* MSS. Accompanied by a skeleton map.

Map of the CUTTACK DIVISION forming an Index Map to the surveys of the Cuttack Mehals for seasons 1857 to 1861. *Scale*, 8 *miles to* 1 *inch; size*, 32 *inches by* 39.

VI. PATNA DIVISION.

Including the Districts of—1, Chumparun; 2, Durbhunga; 3, Gya; 4, Patna; 5; Sarun; 6, Shahabad; 7, Tirhoot.

General Map.

Map of SOUTH BEHAR, comprising the Districts of Behar, Shahabad, and Patna. Surveyed during the years 1841 to 46, by Capt. H. V. Stephen, Lieuts. W. M. Maxwell, and W. S. Sherwill, Revenue Surveyors. *Scale,* 4 *miles to* 1 *inch; size,* 35 *inches by* 53. MS.

The same, lithographed and published. *Price* 8*s*.

Skeleton Map of the PATNA DIVISION, comprising the Districts of Sarun-Champarun, Tirhoot, Shahabad, Behar, and Patna. Exhibiting the civil and criminal jurisdictions. Famine Relief Map, Calcutta, 1874. *Scale,* 8 *miles to* 1 *inch; size,* 36 *inches by* 33. Folded.

1. *Chumparun District.*

See 5. Sarun District, of which it was a part.

2. *Durbhunga District.*

See 7. Tirhoot District, of which it was a part.

3. *Gya (or Behar) District.*

Map of the DISTRICT of BEHAR, surveyed by Capt. H. V. Stephen, 19th Regiment Native Infantry, and Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyors, in 1841, '42, '43, and '44. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 53; *price* 6*s*.

Another copy, exhibiting the revised Police Jurisdictions, in MS.

Map of the DISTRICT of BEHAR, surveyed by Capt. H. V. Stephen, 19th Regiment Native Infantry, and Lieut. W. S. Sherwill, 66th Regiment Native Infantry, in seasons 1841-2-3-4. *Scale;* 1 *mile to* 1 *inch; on* 35 *sheets; size, about* 7½ *feet by* 14; *with a separate Index Map; price* 20*s*.

A Geological Map of ZILLAH BEHAR. By Lieut. Walter S. Sherwill, Assistant Revenue Surveyor. *Scale,* 6 *miles to* 1 *inch; size,* 25 *inches by* 42. Lithograph.

Survey of a HIGH ROAD, lately made from GAYA to SHEHERGHAUTTY (SHERGOTTY), in order to open a communication with the military road from Chunar to Calcutta. By Lieut. James de Auvergne. *Scale,* 1½ *miles to* 1 *inch; size,* 20 *inches by* 17. MS.

Plan of the HILLS of BEHAR, by a native assistant. *Scale,* 1 *inch to the computed cose of road distance; size,* 27 *inches by* 48. MS.

Map of the CITY of GYA (Gayah) and SAHIB GUNGE. Surveyed in 1843 by Lieut. Walter S. Sherwill, Assistant Revenue Surveyor. *Scale,* 8 *inches to* 1 *mile; size,* 34 *inches by* 26; *price* 2*s*.

4. *Patna District.*

Map of the DISTRICT of PATNA. Surveyed by Lieut. W. Maxwell, Bengal Artillery, Revenue Surveyor, in 1841, '42, '43. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 32; *price* 4*s*.

Map of the DISTRICT of PATNA. Surveyed in seasons 1841, '42, '43, by Lieut. W. Maxwell, Revenue Surveyor. *Scale*, 1 *mile to* 1 *inch; size* 55 *inches by* 92; *price* 16*s*.

DISTRICT PATNA. *Scale*, 4 *miles to* 1 *inch*. From the Indian Atlas. S. G. O. Calcutta, 1876. *Size*, 22 *inches by* 30.

Map of the CITY and SUBURBS of PATNA. Surveyed by Mr. Alex. Wyatt, Officers Revenue Surveyor. 1845-46. *Scale*, 10 *inches to* 1 *mile; size*, 27 *inches by* 89.

CITY of PATNA. Season 1865-66. Surveyed by Lieut. W. J. Stewart, Revenue Surveyor. *Scale*, 10 *inches to* 1 *mile; size*, 26 *inches by* 32. *price* 2*s*.

The GANGES below PATNA at the end of the rains. (A view.) By Hermann de Schlagintweit. Printed in colours. *Size*, 8 *inches by* 26.

Plan of the CIVIL STATION of BANKIPOOR, District Patna. 1864-65. Surveyed under the superintendence of Col. J. E. Gastrell, F.R.G.S., Deputy Surveyor-General, by Lieut. W. J. Stewart, Revenue Surveyor, and Mr. C. David, Sub-assistant Surveyor. *Scale*, 10 *inches to* 1 *mile; on* 2 *sheets; size*, 26 *inches by* 56; *price* 4*s*.

CANTONMENT and ENVIRONS of DINAPORE. Surveyed in season 1863, '64. (By Lieut. W. J. Stewart, Revenue Surveyor, assisted by Mr. T. W. Nicholson, Sub-assistant Surveyor.) *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 34 *inches by* 26; *price* 3*s*.

5. *Sarun District.*

Map of the DISTRICT of SARUN, comprising Sircars Sarun and Chumparun. Surveyed by Lieut. W. Maxwell, Bengal Artillery, and Mr. Alex. Wyatt, Revenue Surveyors, in 1843, '44, '45, and '46. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 30. MS.

The same lithographed and published. *Price* 4*s*.

Map of the DISTRICT of SARUN, comprising Sircars Sarun and Chumparun. Surveyed by Lieut. W. Maxwell, Bengal Artillery, Revenue Surveyor, and Mr. A. Wyatt, Officiating Revenue Surveyor, in 1843, '44, '45, '46, '47 and '48. *Scale*, 1 *mile to* 1 *inch; on* 28 *sheets; with a separate Index Map; price* 24*s*.

DISTRICT SARUN. Famine Relief Map. S. G. O. Calcutta, 1874. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 30. Folded.

6. *Shahabad District.*

Map of the DISTRICT of SHAHABAD. Surveyed by Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyor, in 1844, '45, and '46. *Scale*, 4 *miles to* 1 *inch; size*, 29 *inches by* 39. MS.

The same, lithographed and published. *Price* 4*s*.

Another copy, exhibiting the revised Police Jurisdictions, in MS.

Geological map of the SOUTHERN PORTION of ZILLAH SHAHABAD, by Lieut. W. S. Sherwill. *Scale, 2 miles to 1 inch; size, 30 inches by 43.* Lithograph.

Map of the DISTRICT of SHAHABAD. Surveyed by Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyor, 1844, '45, and '46. *Scale, 1 mile to 1 inch; on 16 sheets, with a separate Index Map; price 20s.*

7. *Tirhoot District.*

Map of the DISTRICT of TIRHOOT. Surveyed by Mr. Alex. Wyatt, Revenue Surveyor, in 1846, '47, '48, and '49. *Scale, 1 mile to 1 inch; on 25 sheets (with an Index Map on the scale of 4 miles to 1 inch, on 2 sheets); size of each, 22 inches by 28; price 25s.*

Map of the DISTRICT of TIRHOOT. Surveyed by Mr. Alex. Wyatt, Revenue Surveyor, in 1846, '47, '48, and '49. *Scale, 4 inches to 1 mile; size, 33 inches by 42.* MS.

The same, lithographed and published. *Price 4s.*

Another copy, with revised Police Jurisdictions, in MS.

Plan of the WESTERN PORTION of the DISTRICT of TIRHOOT. Surveyed by Mr. A. Wyatt, Revenue Surveyor, in 1847, '48. *Scale, 4 miles to 1 inch; size, 29 inches by 38.* MS.

DISTRICT of TIRHOOT. 1846 to 1849. *Scale, 2 miles to 1 inch; on 6 sheets; size, 66 inches by 68; price 24s.*

Studlands of the POOSAH DEPOT, situated in Pergunnahs Kusmeh and Sureysa, district Tirhoot. Surveyed in 1845, '46. *Scale, 4 inches to 1 mile; size, 25 inches by 20.*

*** *See also* p. 166.

VII. PRESIDENCY DIVISION.

Including the Districts of—1, Jessore; 2, Moorshedabad; 3, Nuddea; 4, Twenty-four Pergunnahs; 5, Calcutta.

Field Books and General Map.

Field Book of a Survey from CHITPORE BRIDGE by a circuitous route to BOORUNHAUT, &c. (North-eastward of Calcutta), made in May 1801. Field Book of a Survey of the road from CALCUTTA to DUM DUM, BARRASET, &c., North-eastward of Calcutta, made in November 1801. By Capt. Geo. Fleming, Engrs. MS. *Foolscap folio, stiff cover.*

DISTRICTS 24 PURGUNNAHS, Nuddea, Jessore (in Presidency Division), and Furreedpoor and Backergunj (in Dacca Division). 1847 to '63. *Scale, 8 miles to 1 inch; size, 32 inches by 26; price 3s.*

1. *Jessore District.*

DISTRICT JESSORE. 1855 to '59. *Scale, 4 miles to 1 inch; size, 26 inches by 38.* MS.

The same, lithographed and published. *Price 4s.*

DISTRICT JESSORE. S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT JESSORE. 1855 to 1859. *Scale, 1 mile to 1 inch; Nos. 1 to 22; on 13 sheets, including a General Map of the District on a scale of 4 miles to 1 inch; price 12s.*

No. 1. (Purgunnahs Mahomudshahee and 23 others.)
„ 2. (Purgunnahs Mahomudshahee and 22 others.)
„ 3 and 5. (Purgunnahs Mahomudshahee and 16 others.)
„ 4 and 7. (Purgunnahs Mahomudshahee and 11 others.)
„ 6. Purgunnah Nuldee, &c.
„ 8 and 10. Purgunnahs Nuldee, Ishubpoor, &c.
„ 9 and 11. Purgunnahs Saidpoor, Chingootia, &c.
„ 12. Purgunnahs Dantia, Ramchunderpoor, &c.
„ 13, 14, 19, and 20. Purgunnahs Shahosh, Moloee, &c. (District Jessore and Soonderbuns.)
„ 15 and 16. Purgunnahs Hogla, Cheeroolea, Modhodea, and Rangdea, &c.
„ 17 and 18. Purgunnahs Hogla, Madhodea, and Selimabad.
„ 21 and 22. Purgunnah Selimabad.

DISTRICT JESSORE. 1855 to 59. *Scale, 1 mile to 1 inch; on 9 sheets, with a separate index map; size of each sheet, 28 inches by 38; price 23s.*

CIVIL STATION of JESSORE and ENVIRONS. 1857, '58. Surveyed under Capt. J. E. Gastrell, Revenue Surveyor, by Mr. C. Bradley, Assistant Revenue Surveyor. *Scale, 8 inches to 1 mile; size, 26 inches by 24; price 2s.*

A Report on the DISTRICT of JESSORE, its Antiquities, its History, and its Commerce. By J. Westland, Esq., C.S., late Magistrate and Collector of Jessore. Calcutta, 1871. Royal 8vo.

2. *Moorshedabad District.*

DISTRICT MOORSHEDABAD. 1852 to 1855. *Scale, 4 miles to 1 inch; size, 34 inches by 27.* MS.

The same, lithographed and published. *Price 4s.*

DISTRICT MOORSHEDABAD. S. G. O. Calcutta, 1875. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

DISTRICT MOORSHEDABAD. 1852 to 1855, and 1867–68. *Scale, 1 mile to 1 inch;* to be completed in 10 sheets, of which Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 are published; *size of each, 40 inches by 27.* With an Index Map.

PERGUNNAH, or MAIN CIRCUIT Maps of DISTRICT MOORSHEDABAD. Surveyed by Captain Walter S. Sherwill, Captain J. E. Gastrell, and others. 1852 to '55. *Scale, 1 mile to 1 inch; Nos. 1 to 11, on 12 sheets, including a General Map of the District, on a scale of 4 miles to 1 inch; price 30s.*

No. 1. Purgunnahs Furkhabad, Khanjole, and Dushazaree.
No. 2. „ Kasimnuggur, Mungulpoor, Rajshaye, Chungnuddea, Jowar-Ibrahimpoor, Sooltanoojial, and Gunkur.
No. 3. „ Nowahuggur, Dhawa, Khoonrpurtap, and Chukleh-Bonhat.

No. 4. Purgunnahs Sherpoor, Behroul, &c.
No. 5. „ Chandpoor and Gysabad.
No. 6. „ Kasheepoor, Shumushkhanee, &c.
No. 7. „ Goas.
No. 8. „ Putkabaree.
No. 9. „ Koolbureea, Asudnuggur, &c.
No. 10. „ Khurgaon and Mahlundee.
No. 11. „ Futteh-Singh, &c.

Proposed Line of ROAD between NULHUTTY, on the East Indian Railway, and JEEAGUNGE, on the Bhagirutty River, Moorshedabad District. Dated, March 1856:—

1. Preliminary Survey. Tracing from Revenue Survey, showing proposed Line of Road between Jeeagunge and Nulhutty. *Scale*, 4 *inches to* 1 *mile; size*, 14 *inches by* 115.
2. Map to show the District ordered to be examined, and situation of proposed Line of Road. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 19.
3. Trial Section of proposed Line of Road. *Scales*, 600 *feet*, 20 *feet, and* 10 *feet to* 1 *inch; size*, 13 *inches by* 131.
4. Sketch Map showing proposed Communication between the Railway and the District East of the Bhagirettee. *Scale*, 8 *miles to* 1 *inch; size*, 21 *inches by* 14.
5. Outline Designs of Bridges from which estimates have been formed. *Scale*, 6 *feet to* 1 *inch; size*, 13 *inches by* 129.
6. Trial Section of Proposed Line of Road between Jeeagunge and Nulhutty. *Scales*, 600 *feet*, 20 *feet, and* 10 *feet to* 1 *inch; size*, 13 *inches by* 132.

CANTONMENT and ENVIRONS of BERHAMPOOR (Burhampore). *Scale*, 8 *inches to* 1 *mile; on* 6 *sheets; size of each*, 30 *inches by* 22; *price* 8*s*.

CANTONMENT and CIVIL STATION of BERHAMPOOR. Surveyed in 1851–52, and showing improvements to 1859. *Scale*, 16 *inches to* 1 *mile; size*, 36 *inches by* 40.

The CITY of MOORSHEDABAD, surveyed in season 1853–4, under the superintendence of Captain J. E. Gastrell, Officiating Revenue Surveyor. *Scale*, 8 *inches to* 1 *mile; size*, 40 *inches by* 27; *price* 2*s*.

3. *Nuddea District.*

DISTRICT of NUDDEA. 1851 to 1855. *Scale*, 4 *miles to* 1 *inch; size*, 38 *inches by* 26. MS.

The same, lithographed and published. *Price* 4*s*.

DISTRICT NUDDEAH. S. G. O. Calcutta, 1874. *Scale*, 4 *miles to* 1 *inch; size*, 25 *inches by* 40.

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT NUDDEAH. 1851 to 1855. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 10: *on* 11 *sheets, including a General Map of the District on a scale of* 4 *miles to* 1 *inch; price* 3*l*. 4*s*.

No. 1. Purgunnahs Ookrah and Chowrassee.
„ 2. Haveleeshur and Panchnoor.
„ 3. Sreenuggur, Koosdah, Saestanuggur, and Ameerpoor.
„ 4. Bugwan, Plassey, Oomurpoor, Muhutpoor, Khosalpoor, and Belgong.
„ 5. Moolghur, Baugmarah, and Kullara Hoseinpoor.

No. 6. Huldoh, Alumpoor, Joypoor, and Sooltanpoor.
„ 7. Ookrah, Chacklah, Kishennuggur, and Turuf Nuddeah.
„ 8. Mamjooanee, Muttearee, Oomurpoor, and Fyzoolapoor.
„ 9. Sahaoojul and Guznobeepoor.
„ 10. Rajpoor.

CIVIL STATION of KISHNAGHUR. 1853–54. *Scale,* 12 *inches to* 1 *mile; size,* 27 *inches by* 40; *price* 2*s.* Surveyed under Major R. Smyth, Revenue Surveyor, by Mr. W. Ivey, Assistant Revenue Surveyor.

Tracing from the PERGUNNAH MAP, showing the site A. proposed for the Central Jail with reference to Kishnaghur. 1867. *Scale,* 1 *mile to* 1 *inch; size,* 17 *inches by* 20. On tracing cloth. MS.

Battle of Plassy.

A ground Plan of the BATTLE fought at PLASSY between the Nabob and English troops under the Command of Colonel Clive, 23rd June 1757. Done by Lieut. Randfundir Knox. *Size,* 58 *inches by* 31. MS.

A Plan of the BATTLE of PLASSY, fought on the 23rd June 1757, between Surajud Dowlat, Nabob of Bengal, who had upwards of 50,000 men in the Field, and Colonel Robert Clive, who commanded 1,000 Europeans and 2,000 Seapoys only. *Size,* 20 *inches by* 28.

Plan and Prospect of the BATTLE of PLASSY, the 23rd June 1757, between the English and the Nabob of Bengal. Gained by Col. Clive, Commander-in-Chief of the English forces there. *Size,* 20 *inches by* 29. MS.

Plan of the BATTLE of PLASSY. Mounted on cardboard. *Size,* 28 *inches by* 20. MS.

4. *Twenty-four Pergunnahs District.*

Map of the DISTRICT of 24 PERGUNNAHS, surveyed by Capt. R. Smyth, Revenue Surveyor, 1847 to 1852. *Scale,* 4 *inches to* 1 *mile; size,* 27 *inches by* 34. MS.

The same, lithographed and published. *Price* 4*s.*

District Twenty-four PERGUNNAHS. S. G. O. Calcutta, 1874. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 40.

Preliminary Map of the DISTRICT of 24 PERGUNNAHS, surveyed by Captain R. Smyth, Revenue Surveyor, 1847 to 1851, to which is added that portion of the Soonderbuns lying to the South of the District, taken from the Surveys of Morrieson, Prinsep, Hodges, and Lloyd. *Scale,* 4 *miles to* 1 *inch; size,* 36 *inches by* 27.

Portion of the DISTRICT of 24 PERGUNNAHS, comprising the Jurisdiction of the Baraset Magistrate. 1848 to 1852. *Scale,* 1 *mile to* 1 *inch; in four parts, size of each,* 30 *inches by* 37; *price* 12*s.*

Map of the Portion of the DISTRICT 24 PERGUNNAHS, comprising the Jurisdiction of the Allipoor Magistrate. Surveyed by Capt. R. Smyth, Revenue Surveyor, 1847 to 1852. *Scale,* 1 *mile to* 1 *inch; on* 8 *sheets joined together; size,* 70 *inches by* 48; *price* 12*s.*

ALLYPOOR CANTONMENT. 1863–64. *Scale,* 24 *inches to* 1 *mile; size,* 20 *inches by* 22.

BALLYGUNGE CANTONMENT. 1863–64. *Scale,* 24 *inches to* 1 *mile; size,* 22 *inches by* 30.

Plan of BARRACKPORE CANTONMENT and ENVIRONS. Surveyed in season 1866–67. *Scale,* 6 *inches to* 1 *mile; size,* 25 *inches by* 38.

CALCUTTA.

Plan for the INTELLIGENCE of the MILITARY OPERATIONS at CALCUTTA, when attacked and taken by Seerajah Dowlet. 1756. *Size,* 12 *inches by* 19.

A view of CALCUTTA as in 1766. T. Kitchin, sculpsit. *Size,* 12 *inches by* 29.

Reduced Map of the CALCUTTA LANDS situated to the Eastward of FORT WILLIAM. Surveyed by Capt. G. Fleming. 1801. *Scale,* 1 *mile to* 1 *inch; size,* 57 *inches by* 43.

Map of the SUBURBS of CALCUTTA, between Burnagore and the Salt Water Lake and Garden Reach. (With the proposed embankment and canal around the city.) Surveyed in 1817. *Scale,* 600 *yards to* 1 *inch; size,* 30 *inches by* 34. MS.

Plan of the CITY of CALCUTTA, taken by the order of the Government under the superintendence of the Committee of Improvements, * * drawn for the Honourable Court of Directors by * * J. Aug. Schalch, Superintendent of Canals, late Deputy Assistant Quartermaster-General, and Surveyor of Calcutta. 1824. *Scale,* 132 *feet to* 1 *inch; size,* 8 *feet by* 18½. MS. Mounted on a spring roller.

Plan of the CITY and ENVIRONS of CALCUTTA, made under the superintendence of the Committee for improving that city, and showing their latest improvements, by Major T. A. Schalch, Superintendent of Roads and Bridges. (Engraved by E. De La Combe, Calcutta, 1825.) On 6 sheets folded in cases, with a book of reference.

Historical Sketch of the FISCAL ADMINISTRATION of CALCUTTA from its origin until 1830. By P. G. Fcap., stiff cover. MS.

Map of the SUBURBS of CALCUTTA, East of the Circular Road from Barnagore to Balligunge, including Dum Dum, the Circular Canal, the Salt Water Lake, and on a smaller scale the whole line of Eastern Canal to the Eeshamuttee River. By Captain Thomas Prinsep, Engineers, late Superintendent of Canals. 1830. *Scale,* 4 *inches to* 1 *mile; size,* 48 *inches by* 41.

Map of the CITY and ENVIRONS of CALCUTTA, constructed chiefly from Major Schalch's Map and from Captain Prinsep's Surveys of the Suburbs, with the latest improvements and topographical details by J. B. Tassin, Calcutta, 1832. *Scale,* 4¼ *inches to* 1 *mile; size,* 23 *inches by* 31.

A new Map of the COUNTRY 50 miles round CALCUTTA. By J. B. Tassin, Calcutta, 1836. *Size,* 13 *inches by* 10.

CALCUTTA. Published under the superintendence of the Society for the Diffusion of Useful Knowledge. London, 1842. *Scale,* 600 *yards to* 1 *inch; size,* 14 *inches by* 22.

Simms' Survey, 1847–49.

Plan of CALCUTTA, from actual Survey in the Years 1847–1849, by Frederic Walter Simms, F.R.A.S., F.G.S., M. Inst. C.E., Civil Engineer, Consulting Engineer to the Government of India. The Suburbs of the Town are from surveys subsequently furnished by Major H. L. Thuillier, Deputy Surveyor-General of India, &c., executed by himself and Capt. R. Smyth, Revenue Surveyor. Revised to 1857. Reduced and engraved by J. and C. Walker. *Scale*, 390 *feet to* 1 *inch; on* 4 *sheets; size complete*, 4 *feet by* 7½; *price* 16*s*.

A later edition, with additions, printed at the S. G. O., Calcutta, 1874.

Plan of CALCUTTA, surveyed in the Years 1847, '48, and '49, by F. W. Simms, F.R.A.S., F.G.S., M.I.C.E., Consulting Engineer to the Government of India, and Director of the Railway Department. Part 1, South Division, in 40 sheets, with an Index Map. Part 2, North Division, in 41 sheets, with an Index Map. *Scale*, 100 *feet to* 1 *inch*. In 2 vols. Elephant folio, half bound. MS.

The ORIGINAL DRAFTS of the Survey of CALCUTTA, by F. W. Simms, C.E. Folded in 65 parcels.* MSS.

The ORIGINAL FIELD BOOKS of the Survey of CALCUTTA, by F. W. Simms, C.E.* In 27 vols. MSS.

Report on the SURVEY of CALCUTTA, by F. W. Simms, C.E., Consulting Engineer to the Government of India, and Director of the Railway Department. Dated 14th August 1850. Calcutta, 1851. Fcap., paper cover.

The LEVELS of CALCUTTA, represented in sections of the principal streets and roads. By F. W. Simms, F.R.A.S., &c., Consulting Engineer to the Government of India, and Director of the Railway Department. 1848. Title, notes, index map, and seventeen sections, on 41 leaves, in one vol., oblong folio, half bound. MS.

Plan of the ENVIRONS of CALCUTTA, West of Tolly's Canal, including Garden Reach, Alipore, Kidderpore, &c. Surveyed by Capt. R. Smyth, Bengal Artillery. Season 1849, '50. *Scale*, 12 *inches to* 1 *mile; size*, 34 *inches by* 65. MS.

Plan of a Part of the ENVIRONS of CALCUTTA. Compiled from the Revenue Survey of Punchannogram, by Captain Ralph Smyth, Bengal Artillery. 1852. *Scale*, 12 *inches to* 1 *mile; size*, 81 *inches by* 48. MS.

Plan of CALCUTTA, showing the latest improvements as existing in 1854. With part of the environs, surveyed by Capt. R. Smyth, Revenue Surveyor. Published for the use of the Conservancy Department, S.G.O. Calcutta, April 1854. *Scale*, 6 *inches to* 1 *mile; size*, 38 *inches by* 36. Coloured.

*** With a numerical and alphabetical list of streets.

Plan of CALCUTTA, showing the latest improvements as existing in 1854, with part of the environs. For the New Bengal Directory. *Scale*, 6 *inches to* 1 *mile; size*, 40 *inches by* 27.

Sketch Plan showing the SANITARY WORKS for WATER SUPPLY and DRAINAGE of CALCUTTA, and the SALT WATER LAKES. *Scale*, ¾ *mile to* 1 *inch*. W. Clark, M. Inst. C.E. With sections. No date. *Size*, 40 *inches by* 24.

*** Returned to the Government of India, Revenue Department, Calcutta, in compliance with Despatch dated September 28th, 1876.**

Maps showing the proposed communication between CALCUTTA and the HEAD of the MUTLA RIVER by a Railway or by a Ship Canal. 1855. *Scale*, 1 *mile to* 1 *inch; size*, 32 *inches by* 38. Lithographed.

A MS. Tracing of the above MAP, with the alteration for the Line of Railway proposed by Jas. Longridge. December 1856.

PUNCHAWUNGRAM (Environs of Calcutta), in 6 Divisions. Divisions I., II., III., comprising 23 subdivisions, surveyed by Mr. M. Crow, Deputy Collector. Divisions IV., V., VI., comprising 59 subdivisions, surveyed by Capt. R. Smyth, Revenue Surveyor. Copied on tracing paper in S.G.O. in 1855, '56. Incomplete. MSS.

Index Map of Punchawungram showing Divisions and Subdivisions. *Scale*, 2 *inches to* 1 *mile; size*, 25 *inches by* 26.

Division I. Subdivisions 4, 5, 6. Cosseepoor, &c. *Scale*, 300 *feet to* 1 *inch; size*, 22 *inches by* 25.

" I. Subdivision 16, 17, 18. Tallah, &c. *Scale*, 300 *feet to* 1 *inch; size*, 19 *inches by* 28.

" II. Subdivisions 7, 9, 10, 11, 12, 13, 14. Manicktollah, &c. *Scale*, 300 *feet to* 1 *inch; size*, 22 *inches by* 35.

" III. Subdivisions 12, 18, 19, 20, 21, 22, and 23. Sealdah, &c. *Scale*, 300 *feet to* 1 *inch; size*, 36 *inches by* 11.

Subdivisions 1, 2, 3, 8, 15, missing.

" IV. Subdivision A. Teeljullah, &c. *Scale*, 150 *feet to* 1 *inch; size*, 21 *inches by* 12.

" IV. Subdivision B. Entally, &c. *Scale*, 150 *feet to* 1 *inch; size*, 29 *inches by* 13.

" IV. Subdivision C. South Entally, &c. *Scale*, 150 *feet to* 1 *inch; size*, 14 *inches by* 10.

" IV. Subdivision E. West Entally. *Scale*, 150 *feet to* 1 *inch; size*, 20 *inches by* 18.

Subdivisions D., F., G., H., I., J., K., L., M., N., O., wanting.

" V. Subdivisions B., C., D., E. Gurriah and Porannuggur. *Scale*, 150 *feet to* 1 *inch; size*, 18 *inches by* 34.

" V. Subdivision F. East Korayah. *Scale*, 150 *feet to* 1 *inch; size*, 8 *inches by* 19.

Subdivisions A., G., H., I., J., K., L., M., N., O., P., Q., R., S., T., U., V., W., wanting.

" VI. Subdivision B. Dholandah. *Scale*, 150 *feet to* 1 *inch; size*, 23 *inches by* 20.

" VI. Subdivisions C., D. Neezgram. *Scale*, 150 *feet to* 1 *inch; size*, 25 *inches by* 22.

" VI. Subdivision J. North Chuckerbedh. *Scale*, 150 *feet to* 1 *inch; size*, 18 *inches by* 30.

" VI. Subdivision K. East Chuckerbedh. *Scale*, 150 *feet to* 1 *inch, size*, 23 *inches by* 25.

" VI. Subdivision L. Ballygunj lines. *Scale*, 150 *feet to* 1 *inch; size*, 29 *inches by* 20.

" VI. Subdivision M. Chuckerbedh. *Scale*, 150 *feet to* 1 *inch; size*, 25 *inches by* 19.

" VI. Subdivision N. West Gudshaha. *Scale*, 150 *feet to* 1 *inch; size*, 15 *inches by* 19.

" VI. Subdivision O. Gudshaha. *Scale*, 150 *feet to* 1 *inch; size*, 12 *inches by* 12.

" VI. Subdivision P. Beltollah. *Scale*, 150 *feet to* 1 *inch; size*, 9 *inches by* 11.

Subdivisions A., E., F., G., H., I., Q., R., S., T., U., wanting.

Block No. 3. NORTH DIVISION (CALCUTTA). Furnished by the Surveyor of the Conservancy Department (medical college and hospital, and new Medical College Hospital). *Scale*, 100 *feet to* 1 *inch; size*, 13 *inches by* 16. MS.

Block No. 25. NORTH DIVISION (CALCUTTA). Furnished by the Surveyor of the Conservancy Department (Bethune Hindu Female School). *Scale*, 100 *feet to* 1 *inch; size*, 13 *inches by* 10. MS.

Extract from Block No. 28 (Calcutta). FREE CHURCH INSTITUTION. Built in 1856. *Scale*, 100 *feet to* 1 *inch; on tracing paper, mounted; size*, 8 *inches by* 14. MS.

Plan of STRAND ROAD and RIVER BANK from Old Fort Ghaut to Manick Bose's Ghaut (Calcutta). As defined by the Surveyor of the Conservancy Department, and furnished by him to the Surveyor-General's office. *Scale*, 100 *feet to* 1 *inch; size*, 90 *inches by* 19. MS.

PRESIDENCY COLLEGE, CALCUTTA. Front View. *Size*, 19 *inches by* 25. MS.

PRESIDENCY COLLEGE. Designed by Burn & Co. April 1854. Front elevation and plan of middle floor. *Size*, 48 *inches by* 55.

No. 1. Plan of foundations and sections. *Size*, 33 *inches by* 50.
No. 2. Plan of ground floors. *Size*, 33 *inches by* 49.
No. 4. Plan of upper story. *Size*, 33 *inches by* 48.
No. 6. Section. *Size*, 28 *inches by* 47.
No. 9. Section. *Size*, 22 *inches by* 35.
Nos. 10 and 11. Dissecting Houses and Lecture Rooms. *Size*, 27 *inches by* 23.
No. 12. Stabling. *Size*, 23 *inches by* 29.
No. 13. Cook Rooms. *Size*, 23 *inches by* 31. MSS.

The NEW FREE SCHOOL (CALCUTTA). Built in 1854. Copied in Surveyor-General's office from a corrected copy of the original block. Calcutta, 19th October 1854. *Scale*, 100 *feet to* 1 *inch; size*, 12 *inches by* 16. MS.

A Tracing of ERRATA on engraved section. CALCUTTA TOWN MAP. *Size*, 22 *inches by* 7. MS.

Fort William, Calcutta.

Plan of FORT WILLIAM, in the Kingdom of Bengal. No date or scale; *size*, 17 *inches by* 26. Marked No. 38. MS.

Smith's RAVELIN and CARTIER'S COUNTERGUARD (FORT WILLIAM) in their present state. December 1774. *Scale*, 100 *feet to* 1 *inch; size*, 15 *inches by* 21. Marked No. 43. MS.

REDANS and OUTWORKS when completed. Marked No. 42. (Argyll's Redoubt and Conway's Redoubt, Fort William.) *Scale*, 100 *feet to* 1 *inch; size*, 15 *inches by* 21. MS.

The REDANS and OUTWORKS in their present state. December 1774. (Argyll's Redoubt and Conway's Redoubt, Fort William.) Marked No. 45. *Scale*, 100 *feet to* 1 *inch; size*, 15 *inches by* 21. MS.

PLAN and SECTIONS exhibiting two different methods for rebuilding the face of the Redans. (Continuation of the foregoing Plan.) Dated Fort William, 2nd December 1774. Signed Jas. Lillyman, Lieut.-Col. and Chief Engineer. *Scale,* 10 *feet to* 1 *inch; size,* 28 *inches by* 21. MS.

FORT WILLIAM. Signed C. Cheape, Colonel Chief Engineer. No date. *Scale,* 150 *feet to* 1 *inch; size,* 26 *inches by* 33. MS.

FORT WILLIAM (the Glacis only). Traced from Lieut. Schalch's engraved Map of Calcutta, 1825, in the office of the Surveyor-General of India, Calcutta, 21st August 1854. *Scale,* 540 *feet to* 1 *inch; size,* 19 *inches by* 12. MS.

FORT WILLIAM (the interior only, without the fortifications). Traced from Rushton's Gazetteer, 1841–42, in the office of the Surveyor-General of India, Calcutta, 22nd August 1854. *Scale,* 200 *feet to* 1 *inch; size,* 19 *inches by* 15. MS.

FORT WILLIAM. Barrack plan in six sections. No date. *Scale,* 10½ *feet to* 1 *mile.*

Cossipore.

No. I. Front Elevation of the NEW FOUNDRY at COSSIPORE, near CALCUTTA, erected by order of the Honourable the Court of Directors for casting and finishing Brass Ordnance for the whole of India. *Scale,* 6 *feet to* 1 *inch; Size,* 25 *inches by* 38. MS.

No. II. Ground Plan of the NEW FOUNDRY, COSSIPORE, showing the arrangement of the Steam Engines, Boring Lathes, &c. *Scale,* 6 *feet to* 1 *inch; size,* 26 *inches by* 39. MS.

Damdam.

DAMDAM CANTONMENT and ENVIRONS. 1868 to 1870. *Scale,* 16 *inches to* 1 *mile; on* 15 *sheets; size of each,* 30 *inches by* 22.

The same, reduced to 6 inches to 1 mile. *On* 2 *sheets; size of each,* 40 *inches by* 27.

Kidderpore Docks.

General Sketch of the GROUND and RIVER FRONTAGE between HASTINGS BRIDGE and the premises lately purchased from the Calcutta Docking Company (both inclusive), explanatory of the arrangements proposed for locating the Wet Docks for Inland Steamers within the premises; and also for making a Basin for the security of the same vessels during the Monsoons, by widening Tolly's nullahs. *** With three Overlaps, exhibiting the Projects, numbers I, 2, 3, and 4. Signed, G. T. Greene, Civil Architect. Copied from the original in S. G. O., Calcutta, 15th August 1844. *Scale,* 90 *feet to* 1 *inch; size,* 20 *inches by* 45. MS.

No. 1 Project. Sheet No. 1. General Sketch of the H. E. I. Co.'s Steam Premises and adjoining Properties at Kidderpore, explanatory of the arrangements proposed for the formation of a Wet Dock for the Inland Steamers and Boats. Signed, G. T. Greene, Civil Architect. Copied in S. G. O., Calcutta, July 1844. *Scale,* 50 *feet to* 1 *inch; size,* 26 *inches by* 39. MS.

No. 1 Project. Sheet No. 2. Detail Plans, Sections, &c. of Buildings and Works connected with the construction of the WET DOCKS for Inland Steam Navigation proposed to be made at KIDDERPORE. Signed, G. Greene, Capt., C.A. Copied in S. G. O., Calcutta, September 1844. *Scales, various; size,* 22 *inches by* 30. MS.

Details of Works connected with Project No. 6, for formation of WET DOCKS at KIDDERPOOR. Signed, Henry Goodwyn, Capt., Civil Architect. Copied from the original in S. G. O., Calcutta, September 1844. *Size*, 32 *inches by* 50. MS.

GROUND PLAN. Project A. or No. 7, (for the Formation of Wet Docks at Kidderpore). Signed, W. N. Forbes, Lieutenant-Colonel, Engineers. Copied from the original in the S. G. O., Calcutta, July 1844. *Scale*, 90 *feet to* 1 *inch ; size*, 24 *inches by* 28. MS.

DETAILS of PROJECT A. or No. 7. Ground Plan, &c. of Bridge over the entrance of the Dock proposed for the River Steamers. Signed, W. N. Forbes, Lieut.-Colonel, Engineers. Copied from the original in S. G. O., Calcutta, August 1844. *Scale, about* 12 *feet to* 1 *inch ; size*, 29 *inches by* 25. MS.

Plan, Elevation, and Sections of a STORE ROOM proposed to be built for the Steam Department at KIDDERPORE. No date. Signed, G. T. Greene, Officiating Civil Architect. *Scales, various ; size*, 26 *inches by* 39. MS.

Sketch of Ground B" lying between Hastings Bridge, Kyd's Dock, and Kidderpore Bridge. Copied in the S. G. O., Calcutta, November 1842. *No scale ; size*, 39 *inches by* 26. MS.

Plan to accompany B". No title. Showing the improvements in the Kidderpore Docks and Steam Establishment. Copied in S. G. O., Calcutta, November 1842. *No scale ; size*, 19 *inches by* 26. MS.

Plan E. Ground lying between the Hastings and Kidderpore Bridges. *No scale ; size*, 38 *inches by* 25. MS.

Plan to accompany E. Plan of proposed Improvements in the Hon. East India Co.'s Docking and Steam Establishment at Kidderpore. *No date or scale ; size*, 17 *inches by* 24. MS.

Note.—The last two Plans are apparently the originals of the two foregoing Plans.

Ground Plan for a TIDAL DOCK for the Port of CALCUTTA. *Scale* 100 *feet to* 1 *inch ; size*, 35 *inches by* 22.

Plans and Sections of a TIDAL DOCK, and of the Wells and their Platforms for the Port of CALCUTTA. *Scales, various ; size*, 22 *by* 36.

THE SUNDARBANS.

Formerly a separate district, but now divided between the Districts of Backergunge, Jessore, and Twenty-four Pergunnahs.

Blane's Surveys, 1811–1814.

Plan of SAUGOR ISLAND, taken in May and June 1811. By G. R. Blane, Lieut., Engineers. *Scale*, 2 *inches to* 1 *mile ; size*, 60 *inches by* 29. MS.

Map of a ROUTE from CHEERACOLE to DIAMOND HARBOUR, including a Survey of the Monurgunge, Colacolly, and Fultah Creeks, with the adjacent country. Surveyed in March and April 1812, by G. R. Blane, Lieut., Engineers. *Scale*, 2 *inches to* 1 *mile ; size*, 20 *inches by* 26. MS.

A Map of Part of the LOWER SUNDERBUNDS, surveyed in 1813–14 by G. Rodney Blane, Lieut. of Engineers. *Scale, about* $1\frac{1}{10}$ *miles to* 1 *inch ; size*, 31 *inches by* 33. MS.

Morrieson's Surveys, 1811–1818.

Journal and Field Book of the SURVEY of the SUNDERBUNDS for October 1814 to February 1815, by Lieut. H. Morrieson. MS. Fcap. folio, stiff cover.

Journal and Field Book of the SUNDERBUNDS SURVEY, by Captain H. Morrieson, from 1st October 1816 to 21st June 1817. (Re-commenced in October 1816 after being suspended for two years.) MS. Fcap. folio, half bound.

Journal and Field Book of the SUNDERBUNDS SURVEY, by Captain H. Morrieson, from 9th October 1817 to 28th February 1818. MS. Fcap. folio, half bound.

SURVEY of Part of the SUNDERBUNDS from 20th April to 15th June 1811, by Lieut. Morrieson, Engineers. *Scale*, 2 *miles to* 1 *inch; size*, 22 *inches by* 30. MS.

A SURVEY of Part of the SUNDERBUNDS, made during the three seasons of 1811–12, 1812–13, 1813–14, by Lieut. W. E. Morrieson, Engineers. Oriented or corrected by astronomical observations. *Scale*, 2 *miles to* 1 *inch; size*, 52 *inches by* 41. MS.

Part First of the SURVEY of the SUNDERBUNDS by Lieut. Morrieson, Engineers, having for its boundaries the Hoogly River on the West, the Juboona Creek on the North, the Juboona River on the East, and the passage through the Sunderbunds, called the Balliagot passage, on the South. 1813. *Scale*, 2 *miles to* 1 *inch; size*, 38 *inches by* 27. MS.

Continuation of the SURVEY of the SUNDERBUNDS, by Hugh Morrieson, Captain, Deputy Assistant Quartermaster-General. 1818. *Scale*, 2 *miles to* 1 *inch; size*, 40 *inches by* 21. Also an unfinished sketch. MSS.

A SURVEY of the LARGE BOAT NAVIGATION across the SUNDERBUNDS, from near Calcutta on the West, to the Sundeep Channel and Fenny River on the East of the Delta, supposed to be by Robertson. No title. Received in 1816. Originally in 8 sheets of various sizes, now mounted together. *Scale*, 2 *miles to* 1 *inch; size*, 101 *inches by* 58. MS.

May's Surveys, 1835–1838.

A Map of the COUNTRY between the Village of SURBAZ, on the BARASSEE RIVER, and GOOGEE on the RIVER HOOGLY. Exhibiting the line of a still water canal, proposed to be made for the purpose of permanently uniting these streams. Prepared from a Survey executed under the orders of Government, during the years 1835, 36, 37, by John Stuart May, Superintendent Nuddea Rivers. 1838. *Scale*, 3 *miles to* 1 *inch; size*, 30 *inches by* 24. MS.

A lithographed copy. *Size*, 27 *inches by* 18.

Skeleton Map, exhibiting the PRINCIPAL PART of the INLAND NAVIGATION of the DELTA of BENGAL; together with the lines of the proposed Rajmahal and Maugrah Canals, and the Soonderbun routes. Prepared by John Stuart May, Superintendent Nuddea Rivers. 1838. *Scale*, 8 *miles to* 1 *inch; size*, 42 *inches by* 24. MS.

A lithographed copy. *Size*, 34 *inches by* 20.

Map of the SUNDERBUNS, according to the latest Surveys (without date). *Scale, about* 3½ *miles to* 1 *inch; size*, 28 *inches by* 35. MS.

VIII. RAJSHAHI* DIVISION.

Including the Districts of—1, Bogra; 2, Cooch Behar; 3, Darjeeling; 4, Dinagepore; 5, Jalpaiguri; 6, Maldah; 7, Pubnah; 8, Rajshahi; 9, Rungpore.

Skeleton Map of RAJSHAHEE DIVISION, comprising Moorshedabad, Rajshahee, Rungpoor, Dinajpoor, Maldah, Pubnah, and Bograh. Famine Relief Map, S. G. O., Calcutta, 1874. With sites of Government grain stores, centres of charitable relief, routes for the conveyance of grain, and relief works. *Scale*, 8 *miles to* 1 *inch; size*, 36 *inches by* 24. Folded.

Skeleton Map of the KOOCH-BEHAR DIVISION,† comprising the Districts of Darjeeling, Julpigoree, and Kooch-Behar, exhibiting the Civil and Criminal Jurisdictions. S. G. O., Calcutta, 1874. *Scale*, 8 *miles to* 1 *inch; size*, 22 *inches by* 30.

Map of the BOUNDARY between COOCH-BEHAR and BOOTAN. Surveyed in 1850'51 by John Kelso, Assist. Rev. Sur. *Scale*, 2 *miles to* 1 *inch; size*, 27 *inches by* 35. MS.

1, 4. *Bogra* and Dinagepore Districts.*

DISTRICT BOGRAH. S. G. O., Calcutta, 1874. *Scale*, 4 *miles to* 1 *inch; size*, 20 *inches by* 27.

DISTRICTS DINAJPOOR and BOGRAH, 1857 to '61. *Scale*, 4 *miles to* 1 *inch; size*, 42 *inches by* 44. MS.

The same, lithographed and published. *Price* 4*s*.

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICTS DINAJPOOR and BOGRAH. 1857 to '61. *Scale*, 1 *mile to* 1 *inch; Nos.* 1 *to* 18; *on* 18 *sheets, including a General Map of the Districts, on a scale of* 4 *miles to* 1 *inch; price* 3*l*. 12*s*.

No. 1.	Purgunnahs	Poostul and Chowrah.
No. 2.	„	Juhangeerpoor and Moseedah.
Nos. 3 & 4.	„	Kordoho, Suntosh, and Khurael.
No. 5.	„	Suntosh.
Nos. 6 & 8.	„	Pulladassee, Kangore, Futtehjungpoor, &c.
No. 7.	„	Sushbeer, Debeekote, and Mudnabatee.
No. 9.	„	Sooltanpoor, Gillahbaree, Khastalook, and Surhutta.
No. 10.	„	Deorah and Surooppoor.
No. 11.	„	Panjrah.
No. 12.	„	Beejoynuggur, Bajitpoor, and Malligaon.
No. 13.	„	Dhanjar, &c.
No. 14.	„	Delwarpoor, Surhurmankole, &c.
No. 15.	„	Tajpoor, Mohusan, &c.
No. 15½.	„	Jhapartoil, &c.
No. 16.	„	Deora, Noorpoor, Behinagar, Maldooar, Khalara, &c.
No. 17.	„	Dehatta.
No. 18.	„	Salbaree.

2. *Cooch-Behar District.*

KOOCH-BEHAR STATE, 1868 to '70. *Scale*, 1 *mile to* 1 *inch; To be completed on* 7 *sheets, of which* 1, 2, 3, 4, 5, 6, *are published; size of each*, 25 *inches by* 36. *With an Index Map.*

See also Rungpore District, p. 200.

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* Rajshahi and Bogra are not mentioned in the last official notification for the spelling of names of places in Bengal, No. 369, the 23rd June 1876. Dr. Hunter's standard spelling, dated Calcutta 1872, is therefore adhered to.

† Now amalgamated with the Rajshahi Division.

3. *Darjeeling District.*

HILL TERRITORY of BRITISH SIKKIM, District Darjeeling. 1861 to 1867. *Scale,* 1 *mile to* 1 *inch; on* 1¼ *sheet; size,* 28 *inches by* 36; *price* 3*s.*

ROUGH INDEX MAP of BRITISH SIKKIM, District Darjeeling. Surveyed by Major J. L. Sherwill, Rev. Sur., and Mr. E. T. S. Johnson, Assist. Rev. Sur. 1861 to 1867. *Scale,* 2 *inches to* 1 *mile; on* 3⅞ *sheets; price* 10*s.*

Map of BRITISH SIKKIM, comprising the Darjeeling Hill Territory and two Morung Pergunnahs. Surveyed by Capt. W. S. Sherwill, Rev. Sur., in 1852. Reduced in the office of the Surveyor-General of India from the original map on a scale of 1 mile to that of 4 miles to 1 inch. Calcutta, 1st November 1853. *Size,* 23 *inches by* 22. MS.

*** With a list of the principal Native Tribes inhabiting the Morung and hilly countries of the Darjeeling Territory, and a list of the principal trees and plants found on the hills and in the valleys, together with the approximate elevation at which they are found.

Map of BRITISH SIKKIM, comprising the Darjeeling Hill Territory and two Morung Pergunnahs. Surveyed by Capt. W. S. Sherwill, Rev. Sur., in 1852. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 20; *price* 2*s.*

HILL TERRITORY of BRITISH SIKKIM, District Darjeeling. 1861 to 1867. By E. T. S. Johnson, Assist. Rev. Sur. *Scale,* 2 *inches to* 1 *mile; on* 5 *sheets; size of each,* 27 *inches by* 30; *price* 12*s.*

DISTRICT DARJEELING. Seasons 1861 to 1870. With a portion of Sikkim, showing the route to Tumlong. S.G.O. Calcutta, 1874. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 40.

DISTRICT DARJEELING. 1861–67. S.G.O. Calcutta, 1874. Sheets 1, 2, 3, 4, 5. *Scale,* 1 *mile to* 1 *inch; size of each,* 40 *inches by* 27.

MAIN CIRCUIT No. 1, DALING SUBDIVISION, District Darjeeling, surveyed in seasons 1865–6 and 1867. By E. T. S. Johnson and P. Cowley. *Scale,* 2 *inches to* 1 *mile; on* 2 *sheets; size,* 54 *inches by* 40; *price* 4*s.*

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Statistical, Descriptive, and Historical Account of the NORTH-WESTERN PROVINCES of INDIA. Edited under orders of the Government of India. By Edwin T. Atkinson, B.A., Bengal Civil Service. Vol. I. Bundelkhand,* 1874. Vol. II. Meerut Division, Part I., 1875. Vol. III. Meerut Division, Part II., 1876. Vol. IV. Agra Division, Part I., 1876.

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5. Field Book of a survey from Seharunpoor to Jeypoor; with the continuation of the survey of Gurhwal, Sirmour, Hindoor, etc. 1817–18.

Map of the COUNTRY comprised between the EASTERN BOUNDARY of OUDE and the COSAH RIVER, and between the NEPAUL BOUNDARY and the GANGES RIVER. Compiled from materials in the Surveyor-General's Office. 1830. *Scale,* 10 *miles to* 1 *inch; size,* 24 *inches by* 38. MS. Mounted to fold.

Index Map of the REVENUE SURVEY DISTRICTS in the NORTH-WESTERN PROVINCES, including the Territory of Oudh, corrected by the G. P. S. operations. Compiled in the Surveyor-General's Office, from November 1845 to February 1851. Lithographed by J. H. Walker. *Scale,* 16 *miles to* 1 *inch; size,* 22 *inches by* 54. Mounted to fold in a leather cover.

Chart exhibiting the COMPARATIVE AREA of the DIVISIONS and DISTRICTS of the NORTH-WESTERN PROVINCES distinguishing the Cultivated, Culturable, Lakhiraj, and Barren Lands; also the Comparative Population, distinguishing the Hindoo from the Mahomedan, and others not Hindoo. 1849. *Scale,* 400 *acres to* 1 *inch; size,* 32 *inches by* 26. MS.

General Map showing the state of the ROADS in the NORTH-WEST PROVINCES. Reduced and compiled in the Office of the Director of the Ganges Canal Works. Agra, 1855. *Scale,* 16 *miles to* 1 *inch; size,* 27 *inches by* 40.

Map of the NORTH-WESTERN PROVINCES of INDIA, under the jurisdiction of the Sudder Board of Revenue. No date. *Scale,* 16 *miles to* 1 *inch; size,* 22 *inches by* 50.

INDIA. Map of the NORTH-WESTERN PROVINCES, including the territory of Oude. Compiled in the Surveyor-General's Office, Calcutta, 1851. Lithographed by the Topographical Depôt of the War Department, London, in 1858. *Scale,* 16 *miles to* 1 *inch; size,* 27 *inches by* 55.

Maps of the FAMINE TRACT, in the NORTH-WESTERN PROVINCES and PUNJAB. 1861. To illustrate Col. R. Baird Smith's Report. *Scale,* 32 *miles to* 1 *inch; in* 4 *charts, marked* I., II., III., IV.; *size of each,* 16 *inches by* 24. Lithographed in Surveyor-General's Office, Calcutta.

Another edition of the same maps, in four charts, lithographed by Day and Son, London. *Size of each,* 15 *inches by* 23.

Another edition of the same maps, with five additional charts, making altogether 9 charts, and numbered I., II., III., IV., V., VI., VII., VIII., IX. Ordered to be printed, by the House of Commons, February 1862.

Irrigation Map of the GANGES-JUMNA DOAB, N. W. P., and the DEHRA DOON. Corrected to 31st March 1869. Signed, W. Greathed, Chief Engineer. *Scale,* 8 *miles to* 1 *inch; size,* 24 *inches by* 64. Folded in a cover.

The NORTH-WESTERN PROVINCES showing the Districts and States under the jurisdiction of the Lieutenant Governor, with the adjoining Province of Oudh. Compiled in the office of the Surveyor-General of India. 1871. *Scale,* 16 *miles to* 1 *inch: on* 4 *sheets; size,* 36 *inches by* 54; *price* 8*s.*

The NORTH-WEST PROVINCES under the jurisdiction of the Lieutenant-Governor with the adjoining Province of Oudh. Compiled in the office of the Surveyor-General of India, from the Old Revenue Surveys of the N. W. Provinces of 1820 to 1840, and from the recent Revenue Surveys of Oudh of 1860 to 1871. Calcutta, August 1872. *Scale,* 32 *miles to* 1 *inch; size,* 22 *inches by* 24.

Index to the CHARTS of LEVELS in the N. W. P. compiled and under compilation in the office of the Great Trigonometrical Survey of India. *Scale,* 32 *miles to* 1 *inch.*

*** *See* "The Spirit Levels and Trigonometrical Heights," page 92.

Route Maps.

The ROAD travelled by COLONEL UPTON, with a Deputation from the Honourable the Governor General and Council of Fort William, in Bengal; to the Dhurbar of the Mahrattas, at Poonah; and continued thence to Bombay; in the year 1775. By William Smith. *Scale,* 69½ *English miles to a degree; size,* 30 *inches by* 53. MS.

Routes from ETAYAH (ETAWAH) to FURUCKABAD. Etayah to Sumera (near Allyghur), &c. &c. By Lieut. James Nath. Rind. 1787. No title. *Scale,* 1 *geographical mile to* 1 *inch; in* 3 *pieces; size of each,* 87 *inches by* 32. MS.

Map of the ROUTE from ALLAHABAD to BENARES, and thence to BURRAH. By Lieut. James Nath. Rind. 1790. No title. *Scale,* 3 *miles to* 1 *inch; size,* 15 *inches by* 44. MS.

Wood's Surveys.

1799–1800.

ROUTES surveyed by Lieut. Thomas Wood, Corps of Engineers. In 1799–1800. *Scale, about* 1⅝ *miles to* 1 *inch.* MSS.

No. I. From Cawnpore to Lucknow, and thence to Kairabad, in November and December 1799. *Size,* 55 *inches by* 30.

" II. " Kairabad to Patrassaghaut, on the River Gograh, and thence to Keyree Ghur, in December 1799. *Size,* 47 *inches by* 30.

" III. " Keyree Ghur to Peeleebeat, in December 1799, and January 1800. *Size,* 53 *inches by* 21.

" IV. " Peeleebeat to Nahnick Muttah, and thence to Kasseepoor, in January 1800. *Size,* 51 *inches by* 23.

Another copy of No. IV. *Size,* 34 *inches by* 48.

" V. " Kasseepoor to Nudjeebabad, and thence to Lall Dang in January 1800. *Size,* 48 *inches by* 22.

Another copy of No. V. *Size,* 37 *inches by* 35.

" VI. " Lall Dang to Hurdwar, in January 1800. *Scale, about half a mile to* 1 *inch; size,* 22 *inches by* 28.

Another copy of No. VI. *Size,* 23 *inches by* 30.

1802.

No. 1. From Lucnow to Feyzabad, in April 1802. *Size*, 17 *inches by* 59.
„ 3. „ Bahraitch to Nahnparrah, and thence to the Mountains, in March and April 1802. *Size*, 45 *inches by* 23.

ROUTE from CAWNPORE to AGRA by McLeod. No title *Scale, about* 3 *miles to* 1 *inch; size*, 18 *inches by* 49. MS.

Part of a ROUTE (from REWAH to MERZAPORE) protracted from the Journal of Capt. Rind, by C. Tetley, draughtsman. Oct. 1803. *Scale*, 4 *miles to* 1 *inch; size*, 16 *inches by* 25. MS.

Survey of the ROUTE of the DIVISION of the ARMY, under Major-General Dowdeswell in the Dooab. 1805. By Lieut. W. S. Webb, 10th Regiment. (From Muttra to Raj Ghat on the Ganges.) *Scale*, 2¼ *miles to* 1 *inch; size*, 82 *inches by* 19. MS.

ROUTES taken by the late Lieut. Colonel R.H. Colebrooke. 1808 and '11. *Scale*, 2 *miles to* 1 *inch; Nos.* 1, 3, 4; *size of each*, 51 *inches by* 30. MSS.
No. 1. From Delhi to Hurdwar.
„ 3. „ Delhi, through Meret (Meerut), Chandpoor, and Amroha to Moradabad.
„ 4. „ Delhi, through Dasnah, Hauper, and Hussenpoor to Moradabad.

Sketch ROUTE SURVEY, intended as an accompaniment to Lieut. White's Field Books for the months of March and April 1812. *Scale*, 4 *miles to* 1 *inch; size*, 15 *inches by* 25. MS.
*** From Agra to Furukabad and thence to Coel (Allyghur) with a plan of Furukabad.

Map of the SOUTHERN FRONTIER of the BRITISH POSSESSIONS, from Mow (in Rewah) to Ranka (in Palamow). By Lieut. Colonel C. Crawford, Surveyor-General. 1813. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 57. MS.

Survey of the ROUTE of the ARMY from CAWNPORE to RAMGAUT by the Route of Furruckabad and from Currumboss to Sandy by the way of Berreilly (Bareilly). Taken by order of Colonel Alexander Champion. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 49. MS. (No date.)

Boileau's Route Surveys.

A rough sketch of the MILITARY HIGH ROAD from CAWNPOOR to ALLAHABAD, according to the Survey of 1827 by Lieut. A. H. E. Boileau, Engineer, Surveyor in the Lower Doab. *Scale*, 2 *miles to* 1 *inch; size*, 63 *inches by* 13. MS.

Map of the HIGH ROAD from CAWNPOOR to FUTTEHGURH. Surveyed by Lieut. A. H. E. Boileau. 1828. *Scale*, 2 *miles to* 1 *inch; size*, 48 *inches by* 11. MS.

Sketch of the ROAD between BARELLY and FUTEHGURH. Surveyed A.D. 1835 by Capt. J. P. Boileau, late Exec. Engineer, 8th Division P. Wks. (No scale.) *Size*, 22 *inches by* 10. MS.

Sketch of the ROAD between MORADABAD and BARELLY, by J. P. Boileau. *Size*, 13 *inches by* 8. MS.

A REDUCTION from a MAP by M. WHISH, ESQ., by Capt. J. P. Boileau, Bengal Engineers, on a sheet of foolscap.

*** Routes from Shahjuhanpoor and Bareilly.

Survey of a ROUTE from AGRA to DELHI, in six foolscap leaves, by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale*, 2 *miles to* 1 *inch.* MS.

Route from ALLYGHUR to MUTTRA, in two foolscap leaves, by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale*, 2 *miles to* 1 *inch.* MS.

Route from PUTPURGUNJ (DELHI) to ALLYGHUR, in three half foolscap leaves, by Lieut. A. H. E. Boileau. 1829. *Scale*, 2 *miles to* 1 *inch.* MS.

LETTER from LIEUT. A. H. E. BOILEAU to CAPTAIN HERBERT (Assistant to the Surveyor-General), dated Agra, 11th January 1829, explaining the manner in which his large map of the Lower Doab was constructed. *Foolscap*, 5 *pages.*

Grand Trunk Road.

Sketch of the 4th DIVISION GRAND TRUNK ROAD (from Allahabad to Naubutpoor, on the Karamnassa river) to accompany Executive Officers Tabular Report, dated 26th July 1848, &c. *Scale*, 4 *miles to* 1 *inch; size*, 11 *inches by* 26. MS.

Plan of the 5th DIVISION GRAND TRUNK ROAD, extending from the Right Bank of the Ganges at Allahabad to the junction of the Agra and Coel, and Agra and Bhogong Road, near Agra. 1851. *Scale*, 4 *miles to* 1 *inch; in* 5 *sheets; size of each*, 13 *inches by* 19. MSS.

Plan of the 6th DIVISION GRAND TRUNK ROAD (from Agra to Meerut). 1851. *Scale*, 4 *miles to* 1 *inch; size*, 38 *inches by* 26, *with tables of distances.* MS.

Sketch of the GRAND TRUNK ROAD, in the N.W. PROVINCES, from Benares to Agra, Meerut, and Dihlee. Compiled in the Surveyor-General's Office to illustrate the sketches of the 4th, 5th, and 6th Divisions of the Grand Trunk Road by Lieuts. C. H. Dickens, J. E. T. Nicholls, and W. Short, Executive Officers, February 1851. *Scale*, 8 *miles to* 1 *inch; size*, 39 *inches by* 55. MS.

Plan of PROPOSED GRAND TRUNK PROLONGATION between DELHI and KURNAUL. 1851. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 10. MS.

Plan of the COUNTRY bordering the GRAND TRUNK ROAD between BENARES and DELHI, based upon the Great Triangulation and Revenue Survey Operations to 1857. With a Polymetrical Table of Distances in the Bengal Presidency and the names of the Staging Bungalows from Benares to Delhi and Agra to Nurbudda River, with the distances between them. *Scale*, 8 *miles to* 1 *inch; size*, 41 *inches by* 52; *price* 8*s.*

Agra and Bombay Road, Agra and Indore Division.

1 A and BOMBAY ROAD. Plans, Sections, and Elevation of a Bridge proposed to be built over the Khari River, north of Tehra, and 10 miles south of Agra in the British Territory, in Stage 1st, Agra to Tehra. Plan No. 3 to accompany Estimate No. 3 of 30th Sept. 1855. *Scale*, 10 *feet to* 1 *inch; size*, 27 *inches by* 39. On tracing cloth. MS.

AGRA and BOMBAY ROAD. Plan, Sections, and Elevation of a Bridge proposed to be built over the Olungun River, near Jajow, 19 miles south of Agra in the British Territory, in Stage 2nd, Tehra to Munnia. Plan No. 4 to accompany Estimate No. 4 of 30th September 1855. *Scale*, 15 *feet to* 1 *inch; size*, 26 *inches by* 38. On tracing cloth. MS.

Meerut and Kurnal Road.

General Plan of the ROAD from MEERUT to KURNAL. (No title.) Dated 11th August 1856. *Scale*, 4 *miles to* 1 *inch; size*, 17 *inches by* 13. On tracing cloth. MS.

Plan of the RIVER HINDON where it is crossed by the Meerut and Kurnal Road. July 9th, 1855. *Scale*, 18 *inches to* 1 *mile; size*, 26 *inches by* 32. On tracing cloth. MS.

Section of the RIVER HINDON between the villages of Parsee and Serowrah, on the Meerut and Kurnal Road. *Scale*, 20 *feet to* 1 *inch; size*, 8 *inches by* 102. On tracing cloth. MS.

I. AGRA DIVISION.

Including the Districts of—1, Agra; 2, Etawah; 3, Etah; 4, Farrukhabad;* 5, Muttra; 6, Mainpuri.

1. *Agra District.*

Map of the DISTRICT of AGRA. Surveyed by Captains J. Fordyce and R. Wroughton. Compiled and lithographed in the Superintendent of Revenue Surveyor's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale*, 4 *miles to* 1 *inch; size*, 16 *inches by* 26.

Map of the DISTRICT of AGRA. Surveyed by Captains R. Wroughton and J. Fordyce, Revenue Surveyors, in 1837, '38, '39. Re-compiled in Surveyor-General's Office in 1846. *Scale*, 4 *miles to* 1 *inch; size*, 17 *inches by* 28.

COUNTRY round AGRA. Compiled from the old Revenue Survey District Maps of the North-West Provinces, in the Surveyor-General's Office, Calcutta. 1870. *Scale*, 2 *miles to* 1 *inch; size*, 30 *inches by* 38; *price* 3*s*.

AGRA CANTONMENT, CITY, and ENVIRONS. Season 1868, '69. *Scale*, 6 *inches to* 1 *mile; on* 6 *sheets: size of each*, 22 *inches by* 30; *price* 10*s*.

AGRA CANTONMENT, CITY, and ENVIRONS. Season 1868–69. *Scale*, 12 *inches to* 1 *mile; on* 15 *sheets; size of each*, 27 *inches by* 40.

FORT at AGRA.—I. View from the ramparts looking up the Ganges. II. View taken from the top of the Taj, Feb. 1840. From sketches by Lord Henry Scott. *Size of each*, 13 *inches by* 20.

AGRA BARRACKS.—Sheet No. 1, Artillery lines, on 2 sheets. Sheet No. 2, Infantry lines, on 6 sheets. Sheet No. 3, Garrison in Fort.

Plan of the MAUSOLEUM and GARDEN of TAJH MAHAL, on the South Bank of the Jumna River, Agra. 1828. *Scale*, 80 *feet to* 1 *inch; size*, 28 *inches by* 19.

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* This spelling is in accordance with an "Alphabetical List of the Names of the more important "places in the North-Western Provinces" sent with a Despatch to Mr. Markham, No. 195, from the Off. Sec. Govt. India, Dept. of R. A. & C., dated Simla, 12th April 1877. It differs from Dr. Hunter's "Standard Spelling," 1872, and from the Gazetteer N. W. P., Agra, Part 1, 1876; also from the authorised list headed by an official "Notification," dated Calcutta, 28th October 1874. Dr. Hunter has Farakhabad, the others have Farukhabad, each having only one r.

2. *Etawah District.*

Map of the DISTRICT of ETAWAH. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale,* 4 *miles to* 1 *inch; size,* 17 *inches by* 21.

Map of the DISTRICTS of ETAWAH. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1838, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 24.

4. *Farrukhabad District.*

Map of the DISTRICT of FURRUCKABAD. Surveyed by Captains H. M. Lawrence and R. Wroughton. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1841. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 22.

Map of the DISTRICT of FURRUCKABAD. Surveyed by Capts. Lawrence and Wroughton, during the years 1833, '34, '35, 1837, '38, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 24. Lithograph.

DISTRICT FURRUCKABAD. Surveyed in 1833,'34, '35, and 1837, '38, '39. Compiled in the office of the Director Ganges Canal, and completed and lithographed in the office of the Sudder Board of Revenue, N. W. P. Allahabad, Sept. 1859. *Scale,* 2 *miles to* 1 *inch; size,* 36 *inches by* 32.

This copy was prepared to accompany a report on the District Roads, 22nd June 1861, No. 138.

Sketch of the SKIRMISH of the KALEE NUDDEE, fought on the 2nd January 1858, by the troops under the command of General Sir Colin Campbell, G.C.B., Commander-in-Chief in India, against the rebel troops of the Nuwab of Furrukhabad. 1858. *Scale,* 2 *inches to* 1 *mile; size,* 21 *inches by* 27.

5. *Muttra District.*

Map of the DISTRICT of MUTHRA. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale,* 4 *miles to* 1 *inch; size* 17 *inches by* 23.

Map of the DISTRICT of MUTHRA. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1835. Re-compiled in the Surveyor-General's Office in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 24.

MATHURA (Muttra): a District Memoir. By F. S. Growse, M.A., Bengal Civil Service. In two parts. Printed at the North West Provinces Government Press, 1874. 2 vols, 8vo., sewed.

6. *Mainpuri District.*

Map of the DISTRICT of MYNPOOREE. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 19.

Map of the DISTRICT of MYNPOOREE. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1837, '38, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 21.

II. ALLAHABAD DIVISION.

Including the Districts of—1, Allahabad; 2, Banda; 3, Cawnpore; 4, Fatehpur; 5, Hamirpur; 6, Jaunpur.

1. *Allahabad District.*

Map of the DISTRICT of ALLAHABAD. Surveyed by Capt. H. M. Lawrence and Lieut. H. V. Stephen. Reduced and lithographed under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1843. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 22.

Map of the DISTRICT of ALLAHABAD. Surveyed by Capt. H. M. Lawrence and Lieut. H. V. Stephen, Revenue Surveyors in 1838. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 28.

CANTONMENT, CITY, and ENVIRONS of ALLAHABAD. 1867–8. *Scale,* 6 *inches to* 1 *mile: on* 6 *sheets; size,* 22 *inches by* 30; *price* 8*s.*

Sketch of the GROUND near ALLAHABAD, to illustrate Major Strachey's report, on the proposed new civil and military stations. 1858. *Scale,* 3 *inches to* 1 *mile; size,* 32 *inches by* 25.

ALLAHABAD PUBLIC OFFICES. 1866. Block 1. Plate 1. Plan. Plate 2. Front Elevation. Plate 3. Rear Centre and Side Centre Elevations. *Size,* 11 *inches by* 7. Photographs.

ALLAHABAD GUN CARRIAGE WORKS. Part of Roof, 44 feet span. Photograph, mounted on cardboard. *Size,* 14 *inches by* 18.

Map of the LOWER DOOAB (including the Futtehpore and parts of the Allahabad and Cawnpore Districts) by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale, about* 2 *miles to* 1 *inch; size,* 30 *inches by* 78. MS.

2. *Banda District.*

DISTRICT BANDA, and parts of the adjoining Districts and Native States of BUNDELKUND, comprising the field of operations for the Southern Camp of Exercise. Season 1873–74. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 36.

Map of the DISTRICT of BANDAH. Surveyed by Lieuts. S. A. Abbott and H. V. Stephen. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. (1841.) *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 29.

Map of the DISTRICT of BANDAH. Surveyed by Lieuts. S. A. Abbott and H. V. Stephen, Revenue Surveyors, in 1840–41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 29.

Country between and around KIRWEE and KALINJER in DISTRICT BANDA and the adjoining Native States of BUNDELKUND. Prepared in the Surveyor-General's Office, Calcutta, for the use of the Southern Camp of Exercise, 1873–74. *Scale, 2 miles to 1 inch; size, 27 inches by* 34. In a cover.

Another edition on the scale of 1 mile to 1 inch. *Size,* 51 *inches by* 66. Printed on cloth, and folded in a cover.

Plan of the TOWN and FORT of KALINJIR, in the District of Banda, N.W. Provinces. Surveyed by Capt. W. G. Murray, Staff Corps, in charge of Rewah Topographical Survey. 1863. *Scale,* 6 *inches to* 1 *mile; size,* 26 *inches by* 22; *price* 2*s.*

3. *Cawnpore District.*

Map of the CAWNPOOR DISTRICT. Compiled from materials in the office of the Surveyor-General of India, June 1834. By J. Graham, Assistant Surveyor and Head Draughtsman. *Scale,* 4 *miles to* 1 *inch; size,* 29 *inches by* 21. MS.

Map of the DISTRICT of CAWNPOOR. Surveyed by Lieut. S. A. Abbott. Reduced and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 22.

Map of the DISTRICT of CAWNPOOR. Surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1840. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 21. Lithograph.

Sketch of the ACTION of CAWNPOOR. Fought on the 6th December 1857, by the British forces, under the command of His Excellency Sir Colin Campbell, G.C.B., Commander-in-Chief in India, and the insurgent troops of the Gwalior contingent and others, under the brothers of Nana Sahib, of Bithoor. *Scale,* 2 *inches to* 1 *mile; size,* 22 *inches by* 30.

*** With notes descriptive of the battle. Lithograph.

CAWNPOOR. 1857. (Civil Station, City, and Cantonments.) *Scale,* 2 *inches to* 1 *mile; size,* 9 *inches by* 15.

The STATION of CAWNPOOR, as it existed at the period of the Mutiny. *Scale,* 7 *furlongs to* 1 *inch; size,* 9 *inches by* 11. Stanford, London.

CAWNPOOR, CANTONMENT, CIVIL STATION, CITY, and ENVIRONS. 1867, '68. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size,* 54 *inches by* 50; *price* 8*s.*

The same, on the scale of 12 inches to 1 mile. *On* 9 *sheets; size of each,* 29 *inches by* 39; *price* .

4. *Fatehpur District.*

Map of the DISTRICT of FUTTEHPOOR. Surveyed by Lieut. H. V. Stephen. Reduced and lithographed in the Superintendent of Revenue, Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1841. *Scale,* 4 *miles to* 1 *inch; size,* 18 *inches by* 22.

Map of the DISTRICT of FUTTEHPOOR. Surveyed by Lieut. H. V. Stephen, Revenue Surveyor, in 1839. Re-compiled in the Surveyor-General's Office in 1845. *Scale, 4 miles to 1 inch; size, 22 inches by 25.* Lithograph.

5. *Hamirpur District.*

Map of the DISTRICT of HUMEERPOOR. Surveyed by Lieut. H. V. Stephen. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 27 inches by 24.*

Map of the DISTRICT of HUMEERPOOR. Surveyed by Lieut. H. V. Stephen, Revenue Surveyor, in 1839–40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 27 inches by 25.*

6. *Jaunpur District.*

Map of the DISTRICT of JOUNPOOR. Surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1839–40. *Scale, 4 miles to 1 inch; size, 23 inches by 31.*

The same, with the Great Trigonometrical Survey Stations, and their data added in MS.

Map of PURGUNNAH MOONGRA BADSHAPOOR and GURWARAH, District of Jounpoor. *Scale, 1 mile to 1 inch; size, 31 inches by 37.* MS. tracing on cloth.

SALT LANDS of PURGUNNAH MOONGRA BADSHAPOOR, District of Jounpoor. *Scale, 4 inches to 1 mile; size, 37 inches by 32.* MS. tracing on cloth.

SALT LANDS of PURGUNNAH GURWARAH, District of Jounpoor. *Scale, 4 inches to 1 mile; size, 42 inches by 37.* MS. tracing on cloth.

III. BENARES DIVISION.

Including the Districts of—1, Azamgurh; 2, Benares; 3, Basti; 4, Ghazipur; 5, Gorakhpur; 6, Mirzapur.

1. *Azamgarh District.*

Map of the DISTRICT of AZIMGURH. Surveyed by Capts. J. H. Simmonds, J. Fordyce, Lt. J. Brind, and Mr. R. Terraneau, Revenue Surveyors, in 1835–36. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 20 inches by 27.*

2. *Benares District.*

Map of the DISTRICT of BENARES, surveyed by Lieuts. S. A. Abbott and H. V. Stephen, Revenue Surveyors, in 1839–40. Re-compiled in the Surveyor-General's Office in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 33.* Lithograph.

Map of the ZEMINDARY of BENARES, in two sheets. *Scale of 3 miles to 1 inch;* being a reduced copy of Capt. Browne's Survey, to which have been added the names of the Purgunnahs, with their respective Boundaries, &c. MSS.

No. 1. Map of the Northern parts. *Size, 28 inches by 39.*
No. 2. Map of the Southern parts. *Size, 27 inches by 50.*

The City of BUNARUS (Benares), surveyed by James Prinsep. *Scale*, 8 *inches to* 1 *mile*. And the Civil Station and Cantonment of Sikrour or Secrole; *scale*, 3½ *inches to* 1 *mile*. 1822. *Size*, 33 *inches by* 26. Lithograph.

CANTONMENTS of SIKROL and PANDYPOOR; also the CIVIL STATION and CITY of BENARES. Season, 1867–8. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size*, 42 *inches by* 50; *price* 8*s*.

4. *Ghazipur District.*

Map of the DISTRICT of GHAZEEPOOR, surveyed by Lieut. W. Maxwell, Revenue Surveyor, in 1839–40, 1840–41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 31.

The same, with G. P. Survey Stations and their data, added in MS., in 1851.

The portion of the GHAZEEPORE DISTRICT, west of the Station of Ghazeepoor. *On scale of* 2 *miles to* 1 *inch; incomplete; size*, 28 *inches by* 18. (No title.)

Historical and Statistical Memoir of the GHAZEEPOOR DISTRICT. By Wilton Oldham, B.C.S. Sheet D. Part I. Allahabad, 1870. Folio, sewed.

5. *Gorakhpur District.*

Lieut. B. Blake's FIELD BOOK of the GORRUCKPOOR DISTRICT SURVEY, June 1812. 4to.

Map of the NORTHERN FRONTIER of the DISTRICT of GORUCKPOOR, where it touches the Nepaulese Dominions, including the Goruckpoor Turrai and that portion of it ceded to the Nepaulese Government; comprehending also a Survey of the Course of the Arrah Nuddee, which forms the Boundary between the Territories of His Excellency the Nawab Vizier on the west, and the Goorkhali Dominions on the east. Surveyed by Lieut. P. W. Grant, 1818. *Scale*, 2 *miles to* 1 *inch; size*, 32 *inches by* 47. MS.

The same, *on the reduced scale of* 4 *miles to* 1 *inch*. *Size*, 22 *inches by* 27. MS.

Map of the GORUCKPOOR FRONTIER, extending from the Hills to the Purgunnah of Amorah. Surveyed by Lieut. P. W. Grant, 1821. *Scale*, 1 *mile to* 1 *inch; size*, 53 *inches by* 30. MS.

A Map of the NORTHERN FRONTIER of the PROVINCE of GHORUCKPORE, by Lieut. Grant. *Scale*, 3 *miles to* 1 *inch; size*, 25 *inches by* 37. MS. (No date.)

Map of the ROUTE from GORUCKPOOR to BANSEE, viâ the Great Saul Forest. (No title or scale.) *Size*, 42 *inches by* 30. MS.

Map of the CITY, SUBURBS, and CANTONMENTS of GORUKHPOOR, surveyed by Lieut. Robert Wroughton, Revenue Surveyor, 1828. *Scale*, 8 *inches to* 1 *mile; size*, 30 *inches by* 28.

Map of the DISTRICT of GORUCKPORE, surveyed by Lieuts. P. W. Grant, R. Wroughton, H. M. Lawrence, J. Fordyce, J. Brind, J. N. Rind, and Mr. Terraneau, Revenue Surveyors, in 1835–36, '37–38. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 37. Lithograph.

The same, with G. P. Survey Stations and their data, added in MS., in 1855.

6. *Mirzapur District.*

Map of the DISTRICT of MIRZAPOOR, surveyed by Capt. Robert Wroughton, 69th Regiment N. I., Revenue Surveyor, in 1840–41. *Scale,* 2 *miles to* 1 *inch; in* 2 *sheets; size of each,* 55 *inches by* 25. MS.

Map of the DISTRICT of MIRZAPOOR, surveyed by Capt. Robert Wroughton, Revenue Surveyor, in 1840–1. *Scale,* 4 *miles to* 1 *inch; size,* 34 *inches by* 26; *price* 2*s.*

Plan of the TOWN and FORT of CHUNAR (commonly called Chandalgarh), in the District of Mirzapur, N.W.P. *Scale,* 6 *inches to* 1 *mile; size,* 24 *inches by* 22; *price* 2*s.*

IV. MEERUT DIVISION.

Including the Districts of—1, Aligarh; 2, Bulandshahr; 3, Dehra Dun; 4, Meerut; 5, Muzaffarnagar; 6, Saharanpur.

1. *Aligarh District.*

Map of the DISTRICT of ALLYGURH, surveyed by Capt. R. Wroughton. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Board of Revenue, N.W.P. 1837. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 25.

Map of the DISTRICT of ALLYGURH, surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1837. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 26. Lithograph.

2. *Bulandshahr District.*

Map of the DISTRICT of BOOLUNDSHUHUR, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary of the Sudder Board Revenue, N.W.P. 1840. *Scale,* 4 *miles to* 1 *inch; size,* 15 *inches by* 22.

Map of the DISTRICT of BOOLUNDSHUHUR, surveyed by Capt. W. Brown, Revenue Surveyor, in 1828, '29, '30, '31, '32, '39, '40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 33.

3. *Dehra Dun District.*

Map of DEHRA DOON, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces, in charge. 1843. *Scale,* 4 *miles to* 1 *inch; size,* 15 *inches by* 21.

Map of the DEHRA DHOON, surveyed by Capt. W. Brown, Revenue Surveyor, in 1838–39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 26.

Map of the EASTERN DOON of DEHRA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. in charge. 1841. *Scale,* 1 *mile to* 1 *inch; size,* 28 *inches by* 25.

Map of the WESTERN DOON of DEHRA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. in charge. 1841. *Scale,* 1 *mile to* 1 *inch; size,* 24 *inches by* 40.

Plan of the SANATARIUM of LANDOUR and MUSSOOREE, by Major Wm. Brown. 1844. With a Table of Heights above the Level of the Sea. *Scale,* 4 *inches to* 1 *mile; on* 8 *sheets; size of each,* 22 *inches by* 17.

The DEHRA DOON with MUSSOORIE and LANDOUR. *Scale,* 2 *miles to* 1 *inch.* Compiled, in the year 1867, in the office of the Superintendent G. T. Survey, by W. H. Scott, chiefly from the Trig. Survey Sketches of the Mussoorie and Sewalik Hills, and Major Brown's Revenue Survey Map of the Valley of the Doon. *Size,* 28 *inches by* 39; *price* 3*s.*

DISTRICT DEHRA DOON and the country between and around ROORKEE and HURDWAR, comprising the field of operations for the Northern Camp of Exercise. Season, 1873–4. *Scale,* 2 *miles to* 1 *inch; size,* 40 *inches by* 26. In a cover.

Historical and Statistical Memoir of DEHRA DOON. By G. R. C. Williams, B.A., Bengal Civil Service. Roorkee, 1874. With a map of the Dehra Doon, Mussooree, and Landour. *Scale,* 2 *miles to* 1 *inch.* Imp. 8vo., cloth.

Guide Map for MUSSOORIE and LANDOUR, prepared from the large scale maps of the Great Trigonometrical Survey of India, under the orders of Major T. G. Montgomerie, R.E., Officiating Superintendent G. T. Survey. Second edition, with Index, Table of Distances, &c., by Lieut. J. Hill, R.E., Officiating Deputy Superintendent G. T. S. *Scale,* 6 *inches to* 1 *mile; size,* 27 *inches by* 40; *price* 3*s.*

Index to sheets of the MUSSOORIE and LANDOUR SURVEY *on the scale of* 2 *miles to* 1 *inch; on* 17 *sheets;* of which sheets 7, 9, 14, are published in India, but have not reached the India Office. *Size of the index,* 14 *inches by* 10.

DEHRA DUN and SEWALIK (HILLS) SURVEY. Surveyed during 1873–74 by Capt. F. Bailey, R.E., Superintendent Forest Surveys, &c. Dehra Dun, 1875. To be completed on 42 sheets, of which Nos. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 19, 20, 21 are published. *Scale,* 4 *inches to* 1 *mile; size of each sheet,* 40 *inches by* 27. With an Index Map.

4. *Meerut District.*

Map of the DISTRICT of MEERUTH, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P. 1842. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 22.

Map of the DISTRICT of MEERUTH. Surveyed by Capt. W. Brown, Revenue Surveyor, in 1831, '32, '33, '35, '36. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale*, 4 *miles to* 1 *inch ; size*, 26 *inches by* 33.

CANTONMENT and ENVIRONS of MEERUT. Surveyed by Major F. C. Anderson, Deputy Superintendent, 1867–68. Under the superintendence of Colonel J. E. Gastrell, F.R.G.S., Superintendent Revenue Surveys, Upper Circle. *Scale*, 12 *inches to* 1 *mile ; on* 16 *sheets ; size of each*, 22 *inches by* 30.

CANTONMENT and ENVIRONS of MEERUT. *Scale*, 6 *inches to* 1 *mile; on* 4 *sheets; size of each*, 27 *inches by* 29.

MEERUT CANTONMENT and BARRACKS, North-West Provinces :—

1. Meerut Cantonments, Index to accompany large plans on two sheets.
2. Block plans of Royal Artillery, European Infantry, Cavalry, and Suddur Bazaars, Meerut, showing their bearings, and distances of Bazaar boundary pillars. *Scale*, 16 *inches to* 1 *mile ; on* 2 *sheets*.
3. Block plan of Royal Artillery Lines, Sheet No. 1, on 10 sections.
4. Block plan of European Infantry Lines, Sheet No. 2. on 12 sections.
5. Block plan of European Cavalry Lines, Meerut, Sheet No. 3, on 12 sections.
6. Block plan, Sheet No. 4 is wanting.
7. Block plan of New European Infantry Hospital and Railway Rest House, Sheet No. 5, on four sections.

5. *Muzaffarnagar District.*

Map of the DISTRICT of MUZUFURNUGUR, surveyed by Capt. W. Brown. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-West Provinces, in charge. 1841. *Scale*, 4 *miles to* 1 *inch ; size*, 18 *inches by* 22.

6. *Saharanpur District.*

HURDWAR, MYAPOOR, and KUNKHUL, 1869, '70. *Scale*, 8 *inches to* 1 *mile ; size*, 40 *inches by* 27 ; *price* 3*s*.

The same, reduced to 6 inches to 1 mile. *Size*, 30 *inches by* 22 ; *price* 2*s*.

View of the THOMASON CIVIL ENGINEERS COLLEGE, ROORKEE, N.W.P. From the north-west. *Size*, 27 *inches by* 40.

V. ROHILKHAND DIVISION.

Including the Districts of—1, Bareilly ; 2, Bijnor ; 3, Budaun ; 4, Moradabad ; 5, Shahjahanpur.

A Map of ROADS in ROHILCUND. Surveyed in 1818 and '19 by Lieut. W. Garden, D.A.Q.M.G. *Scale*, 4 *miles to* 1 *inch ; size*, 52 *inches by* 39. MS.

Part of ROHILCUND, comprising the Terae Pergunnahs of Districts Kumaon, Shahjehanpore, Bareilly, Moradabad, and Bijnour, from the Surdah to the Ganges Rivers, with the Villages on both Banks of the Ganges and Ramgunga Rivers. Surveyed by Capt. D. C. Vanrenen and Lieut. F. J. Burgess, Revenue Surveyors. 1848 to '54. *Scale*, 4 *miles to* 1 *inch; size*, 50 *inches by* 55. MS.

1. *Bareilly District.*

Map of the DISTRICT of BAREILLY, surveyed by Lieuts. G. J. Fraser and J. Abbott. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 20.

Map of the DISTRICT of BAREILLY, surveyed by Lieuts. G. J. Fraser and J. Abbott, Revenue Surveyors, in 1833, '34, '35, '36, '37. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 21.

DISTRICT BAREILLY, 1866 to '72. North-West Provinces Revenue Survey. *Scale,* 1 *mile to* 1 *inch. To be completed on* 12 *sheets; of which Nos.* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, *are published. Size of each,* 40 *inches by* 27. With an Index Map; *size,* 26 *inches by* 34.

CANTONMENTS, CITY, and ENVIRONS of BAREILLY. *Scale,* 6 *inches to* 1 *mile; on* 2 *sheets; size,* 40 *inches by* 50; *price* 6*s.*

BAREILLY, CANTONMENTS, CITY, and ENVIRONS. 1867–'68. *Scale,* 16 *inches to* 1 *mile; on* 21 *sheets; size of each,* 26 *inches by* 34; *price* 20*s.*

Map of the DISTRICT of PILLEEBHEET. Surveyed by Capt. B. Browne. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 21. (No date.)

Map of the DISTRICT of PILLEEBHEET. Surveyed by Capt. B. Browne, Revenue Surveyor, in 1838, '39, '40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 27. Lithograph.

2. *Bijnor District.*

Map of the DISTRICT of BIJNOUR, surveyed by Capt. B. Browne. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 17.

Map of the DISTRICT of BIJNOUR, surveyed by Capt. B. Browne, Revenue Surveyor, in 1833, '34, '35, '36, '37, '39, '40, '41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1847. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 20.

DISTRICT BIJNOUR, 1868–70. *Scale,* 1 *inch to* 1 *mile; on* 7 *sheets; size of each,* 25 *inches by* 40. With an Index Map.

3. *Budaun District.*

Map of the DISTRICT of BUDAON, surveyed by Capt. J. Bedford. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1841. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 24.



Map of the DISTRICT of BUDAON, surveyed by Capts. J. Bedford and R. Wroughton, Revenue Surveyors, in 1822, '23, and 1828 to '34. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to* 1 *inch; size,* 25 *inches by* 33.

4. *Moradabad District.*

Map of the DISTRICT of MORADABAD, surveyed by Capt. B. Browne. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 22.

Map of the DISTRICT of MORADABAD, surveyed by Capt. B. Browne, Revenue Surveyor, in 1834, '35, '36, '37, '38, '39, '40, and '41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1847. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 23.

MORADABAD. Cantonment, Town, and Environs. 1864, 1869, and 1872. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size of each,* 30 *inches by* 22.

5. *Shahjahanpur District.*

Map of the DISTRICT of SHAHJEHANPOOR, surveyed by Capt. J. Abbott and Lieut. G. Fraser, compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P., in charge. 1842. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 21.

Map of the DISTRICT of SHAHJUHANPOOR, surveyed by Capt. J. Abbott and Lieut. G. Fraser, Revenue Surveyors, in 1838–39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch size,* 33 *inches by* 26. Lithograph.

THE NON-REGULATION PROVINCES OF THE NORTH-WESTERN PROVINCES.

1, *Jhansi;* 2, *Kumaun.*

I. JHANSI DIVISION.

Including the Districts of—1, Jalaun; 2, Jhansi; 3, Lalitpur.

1. *Jalaun District.*

Geographical Map of the DISTRICT of JALOUN in the PROVINCE of BUNDELCUND, showing the positions of the Purgunnahs of Calpee, Koonch, and Jalalpoor. Surveyed by Lieut. S. A. Abbott, lithographed in the Superintendent of Revenue Survey's office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. Provinces. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 25.

Map of the DISTRICT of JALOUN, surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1841–42. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 28.

Report of the JALOUN DISTRICT, Historical, Geographical, Statistical. 1869. By A. H. Ternan, Lieut.-Col. B.S.C., Deputy Commissioner, Jaloun. Folio, sewed.

2, 3. *Jhansi and Lalitpur.*

DISTRICTS of JHANSEE and LULUTPOOR, with portions of HUMEERPOOR and JALAON, and the Native States of TEHREE or OORCHA, &c., in Bundelcund, exhibiting the Revenue Survey operations during seasons 1852, '53 to '56, '57 and '58, '59 to '60, '61. *Scale,* 4 *miles to* 1 *inch; size,* 50 *inches by* 44 ; *price* 6*s.*

CITY of JHANSEE. 1858 '59. *Scale,* 4 *chains* (*or* 88 *yards*) *to* 1 *inch; size,* 33 *inches by* 25; *price* 2*s.*

II. KUMAUN DIVISION.

Including the Districts of—1, Kumaun; 2, Garhwal; 3, Tarai.

Journal of the SURVEY of GURHWAL for the months of August, September, October, and November, 1818, by Lieut. T. D. Herbert, 8th Regiment Native Infantry. MS.

FIELD-BOOKS of the SURVEY in KEMAOON, by Captain W. S. Webb, from the 1st May 1815 to September 30th, 1818. In 7 vols. fcap., of which 5 vols. are half-bound and two are in paper covers. MSS.

Also Capt. Webb's Field-books from October 1st, 1818, to December 31st, 1821, and his assistant's, Mr. R. Tate, from December 1819 to December 1821. In 5 vols. 4to., half-bound.

Original BAROMETRICAL OBSERVATIONS taken to ascertain the Heights of Mountains and Places in KUMAON. By Capt. W. Webb, Surveyor. 30th September 1820. In 2 parts, folio, paper covers. MSS.

Map of KUMAON and BRITISH GURHWAL, compiled in the Office of the Surveyor-General of India, with the latest additions from the researches of Capt. Henry Strachey in 1846, and Lieut. Richard Strachey, Engineer, in 1849, Calcutta, April, 1850. *Scale,* 8 *miles to* 1 *inch; size,* 34 *inches by* 31; *price* 5*s.*

Topographical Sketch of the METALLIFEROUS DISTRICTS of KUMAON and GURHWAL. 1855. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 20; *price* 1*s.*

KUMAON and BRITISH GURHWAL. Great Trigonometrical Survey of India. *Scale,* 1 *inch to* 1 *mile; on* 37 *sheets, of which sheets* 2, 6, 9, 12, 22, 23, 25, 26, 32, 33, 34, 38, are published with hills; and sheets 1, 6, 18, 21, 22, 23, 26, 34, without hills; *size of each,* 28 *inches by* 40.

Sheets 1 and 6 are second editions.

Gazetteer Map of GARHWAL (BRITISH). Prepared for Mr. E. T. Atkinson's Gazetteer, &c. Dehra Dun, 1875. *Scale,* 6 *miles to* 1 *inch; size,* 40 *inches by* 26.

Gazetteer Map of KUMAUN and HUNDES. Prepared for Mr. E. T. Atkinson's Gazetteer, &c. Dehra Dun, 1875. *Scale,* 6 *miles to* 1 *inch; size,* 40 *inches by* 26.

RANIKHET, District KUMAON. Surveyed during 1870 under the orders of Colonel J. T. Walker, R.E., F.R.S., &c., Supt. G. T. Survey of India, by Major T. G. Montgomerie, R.E., in charge, assisted by Lieut. J. Hill, R.E., and Mr. T. Kinney. *Scale*, 12 *inches to* 1 *mile; on* 11 *sheets; size of each*, 39 *inches by* 28; *price* 30*s*. With an Index Map.

Plan of NAINEE TAL CANTONMENTS. Public Works Department N.W.P. 29th June 1861. *No scale; size*, 30 *inches by* 41.

CANTONMENT and SETTLEMENT of NYNEE TAL. 1872–3. *Scale*, 10 *inches to* 1 *mile; on* 2 *sheets; size of each*, 25 *inches by* 40. With a list of estates.

CANTONMENT and SETTLEMENT of NYNEE TAL. 1872–3. *Scale*, 6 *inches to* 1 *mile; size*, 26 *inches by* 34. With a list of estates.

KOSI VALLEY SURVEY. Surveyed during 1871 under the orders of Major D. G. Montgomerie, R.E., F.R.G.S., Officiating Supt. G. T. Survey of India, by Lieut. J. Hill, R.E., in charge, assisted by Messrs. E. C. Ryall, J. Peyton, and G. W. E. Atkinson. *Scale*, 6 *inches to* 1 *mile; on* 8 *sheets; size of each*, 42 *inches by* 28; *price* 12*s*. With an Index Map.

*** One edition has the hills in horizontal shading, and another edition is without hills.

3. *Tarai District.*

For the Tarai District, *see* Rohilkhand Division.

NATIVE PRINCIPALITIES OF THE NORTH-WESTERN PROVINCES.

1. *Garhwal.*

Map of the TERRITORY restored to the RAJAH of GURHWAL. 1842. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 32.

2. *Rampur.*

A Survey of the JAGHIRE of AHMED ALLY KHAN, as ceded to the Rohillas by the Treaty of Calla Wolla, in 1794. The boundary was ascertained by people deputed on the part of the Vizier and Rohillas respectively. By J. Monat, Lieut. of Engineers. *Scale*, 6 *furlongs to* 1 *inch; size*, 74 *inches by* 50. MS.

RAMPOOR JAGEER, 1864, '65, '66 (North-West Provinces Revenue Survey). *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 18; *price* 2*s*.

III. OUDH.

Including four Divisions or Provinces; viz., Fyzabad, Lucknow, Rae Bareli, and Sitapur, subdivided into twelve Districts.

General Map.

OUDE REVENUE SURVEY. *Scale*, 1 *inch to* 1 *mile. To be completed in* 53 *sheets; size of each, about* 27 *inches by* 40; *price* 3*s. each*. The following are published:—

Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53.

Index Map, *price* 6*d*.

Map of the TERRITORY of OUDH and ADJACENT DISTRICTS, compiled from materials in the Office of the Surveyor-General of India, and corrected, where practicable, from the G. T. Survey operations, January 1848. *Scale,* 8 *miles to* 1 *inch; size,* 38 *inches by* 32. MS.

The same, lithographed at the Surveyor-General's Office, Calcutta, 1855. *Size,* 38 *inches by* 32.

The same, zincographed at the Ordnance Survey Office, Southampton, 1858. *Size,* 42 *inches by* 36.

The same, with MS. additions, illustrating the campaign during the cold weather of 1858.

OUDH. Compiled from the latest Surveys. (S.G.O. Calcutta.) 1870. *Scale,* 16 *miles to* 1 *inch; size,* 21 *inches by* 23.

*** With a list of Divisions, Districts, and Pergunnahs.

Skeleton Map of OUDH, compiled from the latest Surveys. (S.G.O. Calcutta.) 1872. *Scale,* 4 *miles to* 1 *inch; on* 6 *sheets; size of each,* 26 *inches by* 34.

Route Maps.

Survey of the ROUTE marched by the 19th Battalion of SEPOYS in November and December 1767 from FYZABAD to MAMDY, from thence, crossing the River Gograh, to the Forests at the Northern extremities of Shujah Dowlah's Dominions and back to Fyzabad. With a plan of the Fort at Mamdy. No. 1. *Scale,* 4 *miles to* 1 *inch; size,* 58 *inches by* 21. MS.

ROUTE from OWD (FYZABAD) NORTHWARDS to BHUCKRAH and BHANSEY. No. 2. (No title or date.) *Scale,* 3 *miles to* 1 *inch; size,* 27 *inches by* 21. MS.

ROUTE from BANSEE, on the RAPTEE RIVER, viâ TOOLSEEPOOR, HUREEA, BINGA, NANPARA, to NUKEEA on the GOGRAH RIVER. A 442. No. 4. (No title or date.) *Scale, about* 8 *miles to* 1 *inch; size,* 30 *inches by* 62. MS.

Hunter's Surveys.

The ROAD from FUTTEHGURH to KAUNPOOR (CAWNPORE), LUCKNOW, FYZABAD, and TANDAH; delineated from Survey and Astronomical Observations by W. Hunter. 1794. *Scale,* 5 *miles to* 1 *inch in* 2 *sheets; size of each,* 19 *inches by* 24. MS.

ROUTES between MEERIN-CA-SERAI on the GANGES, and TEKEEAH (Oonao District), taken in 1793 and 94. (No title.) *Scale,* 5 *miles to* 1 *inch; size,* 9 *inches by* 11. MS.

FURUKHABAD and its ENVIRONS; FYZABAD and its ENVIRONS. 1795. *Scale,* 1¼ *miles to* 1 *inch; size,* 15 *inches by* 10. MS.

General Stuart's Marches, 1799.

Survey of the MARCH of a PART of the DETACHMENT, under Major-General Stuart, from the Town of Bansey to Bullerampoor, taken in the month of April 1799. By Lieut. Thomas Wood, Corps of Engineers. *Scale,* 1⅓ *miles to* 1 *inch; size,* 25 *inches by* 41. MS.

The same, on a reduced *scale of* 2⅔ *miles to* 1 *inch; size,* 17 *inches by* 26. MS.

Survey of the MARCH of a PART of the DETACHMENT, under Major-General Stuart, from Bullerampoor, through Akounah, to the Town of Baraitch, and thence, of the whole Detachment to Nawaub Gunge, on the Banks of the River Gograh, taken in the months of April and May 1799, by Lieut. Thomas Wood, Corps of Engineers. *Scale,* $1\frac{1}{3}$ *miles to* 1 *inch; size,* 26 *inches by* 39. MS.

The same, on a reduced *scale of* $2\frac{2}{3}$ *miles to* 1 *inch; size,* 16 *inches by* 21. MS.

Survey of the MARCH of the DETACHMENT, under Major-General Stuart, from Nawaub Gunge, on the Banks of the River Gograh, to Lucknow. Taken in the month of May 1799 by Lieut. Thomas Wood, Corps of Engineers. *Scale,* $1\frac{1}{3}$ *miles to* 1 *inch; size,* 20 *inches by* 29. MS.

The same, on a reduced *scale of* $2\frac{2}{3}$ *miles to* 1 *inch; size,* 12 *inches by* 15. MS.

Webb's Surveys.

Survey of the ROUTE from LUCKNOW, KYREEGHUR, BISSULPOOR, MENDY GHAUT, FYZABAD, to GORUCKPOOR; with the Gurra (Gogra ?) River, &c. &c. By Lieut. W. S. Webb. 1809. *Scale,* 6 *miles to* 1 *inch; size,* 43 *inches by* 42. MS.

Route from KHYRABAD and LUCKNOW through FYZABAD and TANDEH to MENDYGUNGE, &c. &c., and part of the Eastern Boundary of the Nawaub of Oude's country. By Lieut. W. S. Webb, Surveyor. 1810. *Scale,* 6 *miles to* 1 *inch; size,* 33 *inches by* 28. MS.

Surveys in OUDE. By Lieut. W. S. Webb, Surveyor. 1812. *Scale,* 6 *miles to* 1 *inch; size,* 39 *inches by* 44. MS.

Survey of the COUNTRY between LUCKNOW and CAWNPOOR. Reduced in the Surveyor-General's Office, Calcutta. 1857. *Scale,* 2 *miles to* 1 *inch; size,* 11 *inches by* 26.

Survey of ROADS from LUCKNOW to FYZABAD and BYRAMGHAT. Reduced from the original plans by Lieut. J. Dawson, Calcutta, 1857. *Scale,* 4 *miles to* 1 *inch; size,* 9 *inches by* 24.

Survey of a LINE from LUCKNOW to SHAHJEHANPOOR, proposed as a continuation of the Main Trunk Road from Benares, viâ Jounpoor to Lucknow. Compiled from the surveys of Col. Colebrooke in 1808, and Capt. Cunningham, Surveyor-General's Office, Calcutta, 1858. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 21.

ROUTES in OUDH. Compiled in Surveyor-General's Office, Calcutta, 1858. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 30.

ROUTES in OUDH, FYZABAD to CHARDA, SECRORA to TOOLSEEPOOR, &c. Chiefly taken from Lieut. Webb's Surveys in 1809, '10, and '12, Surveyor-General's Office, Calcutta, 1859. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 25.

ROUTES in OUDH, LUCKNOW to BURAECH, &c. Taken from Col. Colebrooke's Map of 1808. Surveyor-General's Office, Calcutta, 1858. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 20.

ROUTE SURVEY from MASI G. T. S. Stn., North Longl. series to MAO G. T. S. Stn., Rangir Meridl. Series, by Messrs. J. B. N. Hennessey and J. O. N. James, Assistants G. T. Survey, 1849. *Scale,* 4 *miles to* 1 *inch; size,* 12 *inches by* 32. MS.

Boundaries of Oude.

Wood's Surveys.

Survey of a PART of the BOUNDARY betwixt the TERRITORIES of His HIGHNESS the NAWAUB of OUDE, and those lately ceded by him to the Honourable Company, taken in the months of February and March 1802, in obedience to the orders of the Most Noble Marquis Wellesley, K.P., Governor-General, &c. &c. By Capt. Thomas Wood, Corps of Engineers. *Scale,* 1⅝ *miles to* 1 *inch; size,* 47 *inches by* 34. MS.

Survey of that PART of the BOUNDARY from the RIVER GOOMTY, up to the MOUNTAINS. Betwixt the territories of His Highness the Nawab of Oude, and those lately ceded by him to the Honourable Company, taken in the month of March 1802, in obedience to the orders of the Most Noble Marquis Wellesley, K.P., Governor and Captain General, &c. &c. By Capt. Thomas Wood, Corps of Engineers. *Scale,* 1⅝ *miles to* 1 *inch; size,* 25 *inches by* 68. MS.

Grant's Surveys.

A GENERAL MAP of VARIOUS SURVEYS by Lieut. P. W. Grant, Surveyor (Oude and Goruckpore), (1818 '20). *Scale,* 5 *miles to* 1 *inch; size,* 52 *inches by* 58. MS.

Grant's Journals, &c. :—

1. Journal of a Survey from Azimgurh to Toolsapoor in Oude, November and December 1818.
2. Memorandum for do. in April, November, and December 1818.
3. Memorandum of latitude and longitude of places on the Azimgurh Frontier, December 1818.
4. List of latitudes and longitudes of places between Lucknow and Khyreeagurh.
5. Journal and Field Book of the Survey of the disputed boundary of the Goruckpoor district in May 1820.
6. Memorandum of a Survey of the Northern Frontier of Oude. 2nd December 1821, by Captain P. W. Grant. In 1 Vol. foolscap folio, half-bound.

Map of the EASTERN FRONTIER of OUDE, where it touches the territories of the Honourable the East India Company, extending from the district of Allahabad, to the first range of hills, comprehending some surveys made in the interior of the Nuwab Vizier's territories, by Lieut. P. W. Grant, 1818. *Scale,* 2 *miles to* 1 *inch; size,* 69 *inches by* 34. MS.

A Map of the NORTHERN FRONTIER of OUDE, where it borders on the Goorkha territories, extending from the Urrah Nuddee on the east, to the Kali or Goggrah River on the west. Surveyed by Lieut. P. Warden Grant, 1818. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 45. MS.

Map of the NORTHERN FRONTIER of OUDE, extending from the Urrah Nuddee on the east, to the Kali or Gograh river to the west. Surveyed by Lieut. P. W. Grant, 1820. *Scale,* 2½ *miles to* 1 *inch; size,* 52 *inches by* 59. MS.

A Map of the WESTERN FRONTIER of AZIMGHUR, by Lieut. P. W. Grant, 1818. *Scale*, 1 *mile to* 1 *inch; size*, 37 *inches by* 43. MS.

The same, *reduced to the scale of* 4 *miles to* 1 *inch; size*, 15 *inches by* 20. MS.

Map of the WESTERN FRONTIER of AZIMGURH and JOUNPOOR, where it touches the territory of His Majesty the King of Oude. By Lieut. P. W. Grant, Surveyor (1818). *Scale*, 3 *miles to* 1 *inch; size*, 52 *inches by* 30. MS.

Map of the PENINSULA within the GANGES and RAMGUNGA RIVERS, by Lieut. P. W. Grant, Surveyor, 1819. *Scale*, 1 *mile to* 1 *inch; size*, 28 *inches by* 23. MS.

I. FYZABAD DIVISION.

Including the Districts of—1. Bahraich; 2. Fyzabad; 3. Gonda.

2. *Fyzabad District.*

FYZABAD CANTONMENT, CITY, and ENVIRONS. 1868, '69, '70. *Scale*, 6 *inches to* 1 *mile; on* 4 *sheets; size of each*, 22 *inches by* 30.

FYZABAD BARRACKS, OUDH. 1. Plan of Royal Artillery Lines, on 3 sheets.

II. LUCKNOW DIVISION.

Including the Districts of—1, Bara Banki; 2, Lucknow; 3, Unao.

2. *Lucknow District.*

CITY and ENVIRONS of LUCKNOW. 1862–63 and '65–66. *Scale*, 6 *inches to* 1 *mile; size*, 31 *inches by* 50; *price* 5*s*.

LUCKNOW CANTONMENTS. Surveyed under the superintendence of Lieut.-Col. D. C. Vanrenen, Revenue Surveyor, in 1862 '63. Corrected up to 1867. The environs in 1867 by W. H. Patterson, Esq., Assistant Revenue Surveyor. *Scale*, 6 *inches to* 1 *mile; on* 4 *sheets; size of each*, 22 *inches by* 30; *price* 12*s*.

The Siege of Lucknow, 1857, '58.

LUCKNOW. Lithographed notes of the events of the siege.

Sketch of the POSITIONS in LUCKNOW. Lithographed by W. Lines, East India House, 3rd December 1857. No title. *Size*, 20 *inches by* 15.

Plan of the ENTRENCHED POSITION of the BRITISH GARRISON at LUCKNOW. 1857. Surveyor-General's Office, Calcutta, December 1857. *Scale*, 400 *feet to* 1 *inch; size*, 20 *inches by* 22.

Another edition, lithographed by J. and C. Walker, London.

CAPTAIN LOCKHART'S POST, 78th Highlanders, at LUCKNOW. Surveyor-General's Office, Calcutta, December 1857. *Scale,* 80 *feet to* 1 *inch; size,* 21 *inches by* 24.

Plan A., showing, on a large scale, part of the BUILDINGS, GARDENS, WORKS, &c. of the CHUTTER MUNZIL at LUCKNOW. By Lieut. Wm. R. Moorsom, H. M.'s 52nd Light Infantry, Acting D. A. Q. M. G., Oude Field Force. Surveyor-General's Office, Calcutta, December 1857. *Scale,* 60 *feet to* 1 *inch; size,* 22 *inches by* 30.

Plan B., showing, on a small scale, relative positions of CHUTTUR MUNZIL PALACE and WORKS, BAILEY-GUARD, HERN-KHANA, STABLES, and ENGINE HOUSE at LUCKNOW. Surveyed by Lieut. Wm. R. Moorsom, H.M.'s 52nd Light Infantry, Acting D. A. Q. M. G. Oude Field Force. Surveyor-General's Office, Calcutta, December 1857. *Scale,* 200 *feet to* 1 *inch; size,* 20 *inches by* 30.

Another edition, lithographed by J. and C. Walker, London.

Plan B. (and B. 2), showing, on a small scale, the line by which the GARRISON at LUCKNOW were withdrawn on the night of the 22nd November, and the portion of the city in the enemy's hands on that date, together with the position of the guns and mortars bombarding the Kaiser Bagh on the 21st and 22nd November 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale,* 200 *feet to* 1 *inch; size,* 19 *inches by* 30.

Another edition, lithographed by J. and C. Walker, London.

Plan showing ORIGINAL ENTRENCHMENTS at LUCKNOW, and works executed since 25th September 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale,* 400 *feet to* 1 *inch; size,* 16 *inches by* 13.

General plan of the OPERATIONS at LUCKNOW in 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale,* 800 *feet to* 1 *inch; size,* 33 *inches by* 29.

Another edition, lithographed by J. and C. Walker, London.

Lucknow Series.

Nos. 3 and 4.

Nos. 1 and 2. Plan of the OPERATIONS against LUCKNOW during the month of March 1858, by the British Army, under the command of General Sir Colin Campbell, G.C.B., Commander-in-Chief in India. Surveyor-General's Office, Calcutta, April 1858. *Scale,* 2 *inches to* 1 *mile; size,* 21 *inches by* 28.

No. 5.

Plan of LUCKNOW, illustrating OPERATIONS under GENERAL SIR COLIN CAMPBELL, G.C.B., during March 1858. Surveyed and drawn by Lieuts. A. M. Lang, J. U. Champain, and D. Ward, Bengal Engineers, and Mr. J. May, Assist. Gen. Engineer, in accordance with Capt. Moorsom's original plan. To accompany the Chief Engineer's report of the siege operations. Surveyor-General's Office, Calcutta, April 1858. *Scale,* 400 *feet to* 1 *inch; on* 4 *sheets joined; size,* 40 *inches by* 98.

No. 6.

Sketch showing the position of the BRITISH FORCES under the command of His Excellency GENERAL SIR COLIN CAMPBELL, G.C.B., Commander in-Chief in India, on the 14th, 15th, 16th, and 17th November 1857, and during the relief of the Garrison of Lucknow, and the lines of advance and retirement of the British Army. Surveyor-General's Office, Calcutta, April 1858. *Scale*, 800 *feet to* 1 *inch; size*, 24 *inches by* 26.

Plan of the RESIDENCY at LUCKNOW. (Signed) W. A. Crommelin, Major, Civil Engineer, Oudh. Surveyor-General's Office, Calcutta, May 1859. *Size*, 20 *inches by* 16.

The War Department's Siege Map.

Plan of LUCKNOW and SURROUNDING COUNTRY, taken from the most authentic sources. Lithographed and printed at the Topographical Depôt, War Department. *Scale, about* 525 *yards to* 1 *inch; size*, 33 *inches by* 27.

Plan of LUCKNOW, plotted from a Survey made in 1856, by Lieut. Moorsom, 52nd Light Infantry. (Presented by Capt. Moorsom, C.E.) Topographical Depôt, War Department. *Scale*, 12 *inches to* 1 *mile; size*, 41 *inches by* 27.

Plan of the ENTRENCHED POSITION of the BRITISH GARRISON at LUCKNOW. 1857. Topographical Depôt, War Department. *Scale*, 400 *feet to* 1 *inch; size*, 40 *inches by* 27.

Sketch of the RESIDENCY and PALACE at LUCKNOW. Published by James Wyld, London, 12th December 1857. *Size*, 14 *inches by* 21.

A later Edition of above Map. 30th March 1858. *Size*, 17 *inches by* 24.

3. *Unao District.*

Sketch Map of OONAO DISTRICT, shewing Rajpoot Colonies. Received from Revenue Department, November 1869. (No scale.) *Size*, 27 *inches by* 33. MS.

Map of PERGUNNAHS BANGURMON, FUTTEHPOOR, ASENUN, &c., &c., District of Oudh. Received from Revenue Department, November 1869. (No scale.) *Size*, 27 *inches by* 35. MS.

III. RAE BARELI DIVISION.

Including the Districts of—1, Partabgarh; 2, Rae Bareli; 3, Sultanpur.

2. *Rae Bareli District.*

CITY of ROY BAREILLY; CANTONMENT of ROY BAREILLY. 1862-3. *Scale of each*, 10 *chains to* 1 *inch; on* 1 *sheet; size*, 27 *inches by* 38; *price* 2*s*.

3. *Sultanpur District.*

CIVIL STATION of SOOLTANPOOR, with the Villages of Gora-barrack and Khyrabad. *Scale,* 10 *chains to* 1 *inch; size,* 26 *inches by* 30; *price* 2*s.*

IV. SITAPUR DIVISION.

Including the Districts of—1, Hardoi; 2, Kheri; 3, Sitapur.

2. *Kheri District.*

Map of KHYREEGURH. *Scale,* 8 *miles to* 1 *inch; size,* 11 *inches by* 14. MS. (No title.)

Map of KHYREEGURH, &c. *Scale,* 8 *miles to* 1 *inch; size,* 19 *inches by* 26. MS. (No title.)

3. *Sitapur District.*

Cantonments and Environs of SEETAPORE (CHEETAPOOR). 1868–69. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size of each,* 22 *inches by* 30; *price* 6*s.*

Another edition on the scale of 8 inches to 1 mile. *On* 6 *sheets; size of each,* 26 *inches by* 33.

IV. PUNJAB.

Including ten Divisions or Provinces; viz., Amritsar, Delhi, Derajat, Hissar, Jullundur, Lahore, Mooltan, Peshawar, Rawalpindi, Umballa; also several native principalities. (*See* Contents.)

General Maps.

Map showing part of the TERRITORIES of the SIKHS. By Alexander Burnes, Assistant Resident, lately on a Mission to Lahore. December 1831. No title. *Size,* 26 *inches by* 44. MS.

Map of the NORTH-WESTERN FRONTIER of BRITISH INDIA, including the Protected Sikh States, Lahore, Cashmeer, Cabul, Heerat, Candahar, Shikarpore, and Bhawulpore; together with Sinde and Rajpootana, the Indus River, and part of Beloochistan. Compiled from the best and most recent authorities, by J. B. Tassin. Calcutta, 1838. *Scale,* 32 *miles to* 1 *inch; in* 4 *sheets; size of* 2 *sheets each,* 25 *inches by* 20; *size of the other* 2 *sheets each,* 8 *inches by* 20.

Map showing the PROTECTED SIKH STATES, with a list of Chiefships, and their estimated Annual Revenues. Copied in the Surveyor-General's Office, Calcutta, November 1841. *Scale,* 4 *miles to* 1 *inch; size,* 40 *inches by* 52. No title. Folded. MS.

WYLD'S THEATRE of WAR in the PUNJAB. *Size,* 16 *inches by* 20. Folded.

Map of the SIKH TERRITORY and of the Protected Sikh States in the neighbourhood of the Sutluj River. Compiled chiefly from the surveys of Capt. Wade and Mr. N. Hodges, by order of the Court of Directors of the East India Company. By John Walker. 1846. *Size,* 21 *inches by* 33. In a cover.

Sketch Map of the PUNJAB and the SIKH TERRITORY. W. H. Allen & Co. 1846. *Size,* 19 *inches by* 26. In a cover.

Map showing the EXTENT of the SIKH TERRITORY at the death of Maharajah Runjeet Sing, and the Partitions effected by the Treaties between the British Government, Maharajah Dhuleep Sing, and Maharajah Gholab Sing. By John Walker. 1846. *Size,* 14 *inches by* 18.

Map of the PUNJAB and the SIKH TERRITORY. W. H. Allen & Co. 1849. *Size,* 25 *inches by* 24. Folded.

Another edition, 1851.

Map of the ALPINE PUNJAB, showing the various Hill States between the Indus and the Sutluj. By Alexander Cunningham, Brevet Major, Bengal Engineers. 1850. *Scale,* 8 *miles to* 1 *inch; in* 2 *sheets; size of each,* 53 *inches by* 28. MS.

Map of the WESTERN PROVINCES of HINDOOSTAN, the PUNJAB, RAJPOOTANA, SINDE, KABOOL, &c. Published by Wm. H. Allen and Co., London. June 1844. *Scale, about* 22 *miles to* 1 *inch; in* 4 *sheets, mounted together to fold; size,* 50 *inches by* 52.

Also the N.E. and S.E. sheets of a later edition, dated 1850.

Zimmermann's Map of the PUNJAB. *See* Atlas von Vorder Asien, p. 463.

Map of the PUNJAB, WESTERN HIMALAYA, and adjoining parts of THIBET, from recent surveys, and based upon the Trigonometrical Survey of India. Compiled by order of the Honourable Court of Directors of the East India Company, by John Walker, Geographer to the Company. First edition. London, 1854. *Scale,* 16 *miles to* 1 *inch; size,* 26 *inches by* 40. Folded in a cover.

The same, second edition. 1859. *Size,* 34 *inches by* 40.

Map of the PUNJAB and adjoining COUNTRIES, compiled from existing materials in the Office of the Surveyor-General of India. Calcutta, January 1854. *Scale,* 16 *miles to* 1 *inch; size,* 40 *inches by* 39; *price* 8s.

Route Map of the PUNJAB, showing the New Roads traced and constructed, and also the Baree Doab and Inundation Canals. Compiled and drawn by Lieut. C. W. Nightingale, Superintendent Punjab District Roads. February 1856. *Scale,* 8 *miles to* 1 *inch; size,* 52 *inches by* 33. Mounted to fold.

Sketch Map of the PUNJAB. No date, 1857? *Scale,* 32 *miles to* 1 *inch;* 4 *maps; size of each,* 20 *inches by* 25.

Map 1. Productiveness of cotton cultivated Lands.
Map 2. Cotton local supply, and surplus for export.
Map 3. Population of Punjab.
Map 4. Roads.

Sketch Map of the PUNJAB showing the position of Rukhs (woodlands in the plains) in each District. No date. *Scale,* 8 *miles to* 1 *inch; size,* 54 *inches by* 63.

To the Rt. Hon. Sir Henry Harding, Lieut.-Gen. G.C.B., Governor-General of India, this Map of the Routes through the Punjaub and the adjoining states is dedicated by James Wyld. No date. *Size,* 19 *inches by* 25. In a cover.

PUNJAB MAP in eight sections. Compiled from the Topographical and Revenue Surveys, based on the Great Triangulation, and published under the direction of Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Calcutta, 1866–68. *Scale, 8 miles to 1 inch; size of each section, 27 inches by 40; price 4s. each.* The following sections are published:—

Section 1. Hazara, Yoosufzai, Peshawur, and Cabul.
Section 2. Kohat, Dehra Ishmael Khan, Rawul Pindi, and Shahpoor.
Section 3. Leia, Shum Plain, Jhung, Mooltan, and Bahawalpoor.
Section 4. Mithankote, Jesulmeer, and Bikaneer.
Section 5. Kashmir, Gilgit, Shadula, Pangong Lake.
Section 6. Lahore, Poonch, Shipki, and Pangong Lake.
Section 7. Jalindhur, Gurhwal, and Hissar.
Section 8. Meerut, Delhi, Agra, Dholpoor, and Sambur Lake.

The PUNJAB and its DEPENDENCIES, with portions of the North-West Provinces and Afghanistan. Compiled in the Office of the Surveyor-General of India. From the latest Surveys. Second edition. 1870. *Scale, 16 miles to 1 inch; in 4 sheets; size, 46 inches by 84; price 8s.*
Also the Fifth Edition corrected up to 1875.

THE PUNJAB RIVERS.*

Beas River.

The BEAS RIVER in the PUNJAB. By Hermann de Schlagintweit. A view printed in colours. *Size, 9 inches by 18.*

Chittung and Ghaggar Rivers, &c.

Survey of the CHITTUNG NUDDEE and FEROZ SHAH'S CANAL, from Hansee to Moonuk. By Lieut. John Colvin, Engineers. July, 1820. *Scale, 1 mile to 1 inch; in 3 sheets; size of each, 15 inches by 22.* MS.

Protraction Map of the SURVEY of the ANCIENT BED of the CHITTUNG RIVER, to the junction with that of the Ghughur River, and of the latter, eastward to Moonuk. Surveyed by Captain J. Colvin of Engineers, 1820–21. *Scale, 2 miles to 1 inch; in 3 sheets;*

Sheet 1, *size* 28 *inches by* 41.
" 2 " 29 " 42.
" 3 " 30 " 23. MSS.

Map of the CANALS from the JUMNA, in the DELHI TERRITORY. By John Colvin, Major, Superintendent of Canals, Delhi Territory and adjoining districts. Sept. 1832. *Scale, 4 miles to 1 inch; size, 31 inches by 49.* MS.

Chenab River.

The CHENAUB RIVER, from SEALKOTE to the JUNCTION of the JHELUM. Surveyed in the low season of 1853–54, by Lieut. H. W. Grounds, Indian Navy. Assisted by Lieut. W. Stroyan, Indian Navy. *Scale, ½ inch to 1,000 yards. Soundings in feet. In 4 sheets, of different sizes, about 24 inches by 36 each.* MS.

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* NOTE.—*See also* the Punjab Canals, pp. 138, 139.

The CHENAUB RIVER from the confluence of the JHELUM to MOOLTAN. Surveyed in the low season of 1851–52, by Lieut. H. W. Grounds, *Scale*, 4,000 *yards to* 1 *inch; size*, 35 *inches by* 26. Mounted to fold in a case. MS.

Sketch of the CHENAUB, near CHUNDIOTE. *Scale*, 2 *inches to* 1,000 *yards*. Soundings in feet, taken on the 20th February 1854, by Lieut. H. W. Grounds, Indian Navy. MS.

A Report on the RIVER CHENAUB to accompany a chart. Signed H. W. Grounds, Lieut., Indian Navy. Foolscap, 15 pages. MS.

Jhelum River.

The JHELUM RIVER in the PUNJAB. By Hermann de Schlagintweit. A view printed in colours. *Size*, 9 *inches by* 18.

The JHELUM RIVER, surveyed in the low season of 1851–2 by Lieut. H. W. Grounds, I.N. Sheet 1st, from Jhelum to Shahpoor; Sheet 2nd, from Shahpoor to the Junction (with the Chenab). *Scale*, 4,000 *yards to* 1 *inch; on* 2 *sheets; size of each*, 35 *inches by* 26. Mounted to fold in a case. MS.

Ravi River.

Plan of Part of the RIVER RAVEE, showing Head and Line of proposed Canal. Surveyed by Lieut. J. Crofton and Mr. J. D. Smithe. January 1851. *Scale*, 5 *inches to* 1 *mile; size*, 26 *inches by* 39. MS.

Sutlej River.

Journal of CAPTAIN C. M. WADE'S VOYAGE from LOODIANA to METHANKOT by the River Satlaj, on his mission to Lahor and Bahawalpur, in 1832–33. Foolscap, 158 pages. With lists of the Villages on both banks, their distance apart, castes of their inhabitants, and jurisdiction; the breadth of the river, rate of current, and soundings at successive stages; distances of principal towns; breadth of other rivers crossed by the Mission; depth of wells; and astronomical observations. Fcap., unbound. MS.

Field book of Survey from MUNDOTE near FEROZPOOR to SUKKUR, by Lieut. H. M. Durand, Engineers. Dec. 2, 1838 to Jan. 13, 1839. Fcap., unbound. MS.

Route Maps.

ROUTE of the DETACHMENT proceeding with the HON. M. ELPHINSTONE, Envoy, from DELHI, towards PISHOUR (Peshawur) and CABUL, in 1808–9. By Lieut. R. Tickell, Engineers. *Scale*, 4 *miles to* 1 *inch; in* 9 *sheets*. MSS.

No. 1. From Delhi to Chooroo. *Size*, 21 *inches by* 36.
„ 2. From Choroo to Bhowanipoore. *Size*, 21 *inches by* 36.
„ 3. From Bowanipore to Bahawalpore. *Size*, 21 *inches by* 29.

No. 4. From Bahawalpore to Sultankote. *Size*, 21 *inches by* 29.
„ 5. From Sultankote to Dera Ishmail Khan. *Size*, 21 *inches by* 14.
„ 6. From Dera Ismail Khan, Peishowr to Tuthee. *Size*, 40 *inches by* 24.
„ 7. From Tuthee to Dowdie. *Size*, 21 *inches by* 29.
„ 8. From Dowdie to Loodianah. *Size*, 21 *inches by* 29.
„ 9. From Loodianah to Delhi. *Size*, 41 *inches by* 29.

ROUTE of COLONEL OCHTERLONY, from LODEANAH, down the HILL FRONTIER, &c., in November 1813. *Scale*, 8 *miles to* 1 *inch; size*, 14 *inches by* 19. MS.

ROUTE of the FIELD FORCE under BRIG. ARNOLD, C.B., on the BIKANEER FRONTIER, in August and September 1818. Surveyed by Lieuts. Colvin and Hutchinson. *Scale*, 4 *miles to* 1 *inch; size*, 29 *inches by* 21. MS.

A General Map of the ROUTES on the SIKH and BIKANEER FRONTIERS (unfinished), by Capt. John Colvin, Engineers, 1818. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 39. MS.

BAHAWULPOOR to SUKKUR. Field Book by Lieut. Anderson. 1838. Folio.

ROUTE from CHUK on the JELLUM RIVER to PESHAWUR, marched by the Bombay division. Reduced from the original survey, by Captain J. Ramsay, Deputy Quartermaster-General, Field Force, 1849. *Scale*, 4 *miles to* 1 *inch; size*, 38 *inches by* 19. MS.
With descriptive notes of the route.

ROUTE from MOOLTAN to LIEA, viâ Raj Ghaut and Dara Dinpunah. Surveyed by P. Guide Luximan Jadon, during the month of July 1849. *Scale*, 1 *mile to* 1 *inch; size*, 16 *inches by* 68. MS.

ROUTE from MOOLTAN to RAMNUGGUR, and thence to the JHELUM RIVER, followed by the Bombay Division of the army of the Punjab, February 1849. *Scale*, 2 *miles to* 1 *inch; size*, 115 *inches by about* 27. MS.

ROUTE from MOOLTAN to NUSSEERABAD, viâ Bhawulpoor, Suratchur, Sirsa, and Hansi. Surveyed during the months of January, February, and March, 1850, by Mahomed Khan, Draftsman, and P. G. Hurree Sing. With a report on the halting places, &c. *Scale*, 1 *mile to* 1 *inch; in* 9 *sheets; size of each, about* 64 *inches by* 15. MS.

Field Book of a SURVEY from MUNDOTE near FEROZPOOR to SUKKUR, by Lieut. H. M. Durand, Engineers. Foolscap folio, unbound. MS.

ROUTE SURVEY from DEHRA ISHMAEL KHAN to TREMOO GHAT. Surveyed by Lieut. C. W. Nightingale, 1852. *Scale*, 2 *miles to* 1 *inch; size*, 48 *inches by* 13. MS.

ROUTE SURVEY from PIND DADUN KHAN to RAMNUGGUR, showing the tracing of New Road. August 18th, 1853. *Scale*, 2 *miles to* 1 *inch; size*, 10 *inches by* 26. MS.

Roads.

Map of the GRAND TRUNK ROAD from the KARAMNASSA to the SUTLEDGE. 1851. In two parts, exhibiting the Staging Bungalows, Encamping Grounds, Dak and Overseers' Choukies, Post Office Thannahs and Tuhseeldaries. Compiled by order of the Lieut. Governor of the North-Western

Provinces in the office of the Superintendent of the Grand Trunk Road, by Charles Joseph. *Scale*, 4 *miles to* 1 *inch; the western part wanting; size of the remainder, feet by* 8.

Rough Sketch of the HINDOSTAN and THIBET ROAD (from Dugshai and Simla to Chini), by D. Briggs, Superintendent. *Scale*, 1 *mile to* 1 *inch; size*, 26 *inches by* 97. MS.

DISTRICTS ROADS. WUZEERABAD to CHUNEOUT. Along the Chenab River, chiefly in Goojuruwalla District. *Scale*, 2 *miles to* 1 *inch; size*, 46 *inches by* 11. MS.

PUNJAB CAMPAIGNS.

Battles on the Sutlej.

A Sketch Map of the SCENE of OPERATIONS of the BRITISH ARMY on the SUTLEJ, under the personal command of General Sir H. Gough, Bart., G.C.B., Commander-in-Chief, &c., &c., against the Sikh forces, in 1845 and 1846. Compiled by Lieut.-Col. W. Garden, C.B., Quartermaster-General of the Army. *Scale*, 1 *mile to* 1 *inch; on* 12 *sheets, including an Index Map; size of each*, 20 *inches by* 27.

Presented to the Hon. the Court of Directors by General Lord Gough, G.C.B., Commander-in-Chief in India, in a handsomely bound portfolio. *Size*, 28 *inches by* 21.

A Sketch of the SCENE of OPERATIONS of the BRITISH ARMY on the SUTLEJ, under the personal command of General Sir Hugh Gough, Bart., G.C.B., Commander-in-Chief, &c., &c., against the Sikh forces, in 1845 and 1846, together with plans of the Battles of Moodkee, Ferozshuhur, Aliwal, and Sobraon, and of Lahore, and its environs. Compiled by Lieut.-Col. W. Garden, C.B., Quartermaster-General of the Army. *Scale*, 4 *miles to* 1 *inch; size*, 40 *inches by* 27; *price* 4*s*.

Position of the ARMY of the SUTLEJ, January 19th, 1846. *Scale, about* 5 *miles to* 1 *inch; size*, 13 *inches by* 15.

Plan of the BATTLE of SOBRAON, fought on the 10th February 1846, by the British Army, under the personal command of General Sir Hugh Gough, Bart., G.C.B., with the Sikh forces, entrenched on the Sutledge. Surveyed by Capt. Baker, Lieuts. Strachey and Hodgson, Bengal Engineers. *Scale*, 4 *inches to* 1 *mile; size*, 15 *inches by* 21.

Plan of the BATTLE of ULEEWAL, 28th January 1846, by Lieut. R. Strachey, Engineers. *Size*, 15 *inches by* 19.

Battles on the Chenab.

Sketch of the ACTION at SADOOLAWALAH, between a portion of the Sikh Army and the right column of the army of the Punjaub, under the command of Major-General Sir Joseph Thackwell, K.C.B. and K.H. 3rd December 1848. *Scale, about* $3\frac{1}{2}$ *inches to* 1 *mile; size*, 14 *inches by* 20.

Sketch of the ACTION at GOOJERAT, 21st February 1849. *Scale, about* $1\frac{1}{6}$ *miles to* 1 *inch; size*, 17 *inches by* 12. Published by James Wyld, London.

Sketch of the BATTLE of GOOJERAT, 21st February 1849. *Scale, 1¾ inches to 1 mile; size,* 19 *inches by* 15. Examiners Lithographic Department.

Battles on the Jhelum.

Plan of the BATTLE of CHILLIANWALA, between two divisions of the Army of the Punjab under General Lord Gough, G.C.B., and the Sikh Army under Raja Shere Singh, on the 13th January 1849. From a survey and sketch by Bt.-Major A. Cunningham. *Scale, about* 1¾ *miles to* 1 *inch; size,* 20 *inches by* 27.

BATTLE of the JHELUM (Chillianwala) in two plans, marked Nos. 1, 2. *Size of each,* 11 *inches by* 15.

Plan of the BATTLE of CHILLIANWALLAH. *Scale,* 1¼ *miles to* 1 *inch; size,* 11 *inches by* 15. No title.

Sketch of the POSITIONS of the TWO ARMIES at CHILLIANWALLA. *Size,* 11 *inches by* 15. No title.

PUNJAB FRONTIERS.

North-west Frontier.

Map of the COUNTRIES on the NORTH-WEST FRONTIER of INDIA, compiled from various documents by John Walker, Geographer to the Honble. East India Company. No date, about 1835. *Size,* 50 *inches by* 43.

Map of the COUNTRIES on the NORTH-WEST FRONTIER of INDIA. Compiled chiefly from the surveys of Lieut. J. Wood, Indian Navy; Major R. Leech, of the Engineers on the Bombay Establishment; and from surveyed routes received by the Court of Directors from the Government of Bombay. By John Walker, Geographer to the East India Company. London, 1841. *Scale,* 20 *miles to* 1 *inch; size,* 52 *inches by* 40.

Also, the Second edition, 1842, with an insertion in the title after Bombay—" executed under the superintendence of Lieut.-Col. Neil " Campbell, Quartermaster-General of that establishment."

Also, the last edition, dated 1844. Folded in 8vo.

MILITARY SURVEY of the NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineers, in 1849–50–51–52. *Scale,* 2 *miles to* 1 *inch; size,* 37 *inches by* 54.

Map No. 2 of a MILITARY SURVEY of the NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineers, season 1851–52. *Scale,* 2 *miles to* 1 *inch; size,* 24 *inches by* 55.

Note.—This map forms a continuation of Lieut. Walker's lithographed map of the Northern Trans-Indus Frontier. All to the south of the latitude of Peshawur which appeared on that map has been revised.

Map No. 3. NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineer. Season 1852–53. *Scale,* 2 *miles to* 1 *inch; in* 2 *sheets; size,* 35 *inches by* 47.

Map No. 4. NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineers. Season 1852–53. *Scale*, 2 *miles to* 1 *inch; in* 2 *sheets; size*, 28 *inches by* 45.

The NORTHERN TRANS-INDUS FRONTIER, comprising the Districts of Peshawur, Kohat, and Bunnoo, with sketch of adjoining tracts from the Military Surveys executed in 1850–54 by Lieut. J. T. Walker, Bombay Engineers, 1st Assistant G. T. Survey, with other materials. Compiled on the basis of the G. T. Survey, in the Office of the Surveyor-General of India. July, 1856. *Scale*, 4 *miles to* 1 *inch; in sheets; southern sheet only; size*, 30 *inches by* 57. MS.

Some account of the SURVEY of the NORTHERN TRANS-INDUS FRONTIER, from Peshawur to Deyra Ismael Khan, in 1849–53, by Lieut. Walker, Bombay Engineers. Foolscap, 28 pages. MS.

Sketch Map of the NORTH-WEST FRONTIER adjoining District PESHAWAR, from Fort Abazai to Fort Mackeson. 1869-70. *Scale*, 2 *miles to* 1 *inch; size*, 40 *inches by* 27; *price*, 3*s*.

UPPER and LOWER SUWAT and the KOHISTAN to the source of the SUWAT RIVER. By Capt. H. G. Raverty. 1862. *Scale*, 6 *miles to* 1 *inch; size*, 32 *inches by* 20.

Sketch of country from SHIRDARRA to MULKA, illustrating the operations of the Yusufzai Field Force in December 1863. S. G. O., Calcutta, May 1874. *Scale*, 4 *miles to* 1 *inch; size*, 10 *inches by* 14.

Rough Sketch of the DRAINAGE of GILGIT and adjacent Countries. Compiled * * by Capt. T. G. Montgomerie, Engineers. 1861. *Scale*, 32 *miles to* 1 *inch; size*, 10 *inches by* 17.

COUNTRY between ATTOCK and RAWUL PINDEE, comprising the field of operations of the Camp of Exercise, 1872–73. *Scale*, 1 *inch to* 1 *mile; on* 4 *sheets; size of each*, 40 *inches by* 28.

*** Containing parts of Hazara and Rawul Pindee Districts.

Also, a larger edition. *Scale*, 2 *inches to* 1 *mile; on* 9 *sheets; size of each*, 28 *inches by* 40.

Also, a smaller edition. *Scale*, 2 *miles to* 1 *inch; size*, 20 *inches by* 36. In a cover.

COUNTRY round RAWUL PINDEE. Camp of Exercise, 1872–73. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 36. In a cover.

*** Containing parts of Districts Hazara, Peshawur, Rawal Pindee, Jhelam, &c.

COUNTRY round HUSSUN ABDAL, comprising the field of operations of the Camp of Exercise, 1872-73. *Scale*, 1 *mile to* 1 *inch; size*, 27 *inches by* 38. In a cover.

*** Containing parts of Districts Hazara and Rawul Pindee.

Sketch Map of the NORTH-WEST FRONTIER of the PUNJAB, illustrating the Political Relations of the British Government with the dependent and independent tribes. Calcutta, 1866. *Scale*, 16 *miles to* 1 *inch; size*, 34 *inches by* 26; *price* 3*s*.

The NORTH-WESTERN FRONTIER of the PUNJAB. 1876. Compiled in the Office of the Surveyor-General of India, Calcutta. *Scale*, 16 *miles to* 1 *inch; size*, 44 *inches by* 36.

North-East Punjab, and Garhwal N.W.P.

Topographical Survey of PART of the HIMALAYA MOUNTAINS and adjacent PLAINS, on the basis of the Great Trigonometrical Survey of India, North-west Himalaya Series. In 14 sections, each comprising a square degree. *Scale,* 4 *miles to* 1 *inch.* Surveyed during the years 1848 to 1854, under the superintendence of Lieut.-Col. A. S. Waugh, Engineer, F.R.S., F.R.G.S., Honorary Associate of the Berlin Geographical Society, Surveyor-General of India, and Superintendent G. T. Survey, by the surveyors and assistant surveyors whose names are recorded on the sheets. 1860. *On* 15 *sheets, including Title and Index Map; size of each,* 24 *inches by* 21; *price* 30*s., also half-bound in one vol.,* 40*s.*

The SUB-HIMALAYAN COUNTRY between the rivers GANGES and RAVEE. *Scale,* 8 *miles to* 1 *inch; size,* 27 *inches by* 24; *price* 4*s.*

The TEA LOCALITIES (Plantations) in the PUNJAB and NORTH-WEST PROVINCES. Compiled from information furnished by Dr. Jameson, Superintendent of Government Botanical and Tea Gardens. 1862. *Scale,* 16 *miles to* 1 *inch; size,* 32 *inches by* 10; *price* 4*s.*

South-Eastern Punjab.

The UMBALLA, DELHIE, and HISSAR DIVISIONS. Comprising the Districts of Umballa, Loodheanuh, Simla, Delhie, Kurnal, Goorgaon, Hissar, Sirsar, Rohtuk. The native States of Putteealuh, Jheendh, Sirmoor, Nabha, Loharoo, &c. Showing also the adjoining District of Ferozepoor, and portions of Lahore, Jallindhur, and Googaira. 1868. *Scale,* 4 *miles to* 1 *inch; on* 6 *sheets; size,* 62 *inches by* 66; *price* 12*s.*

COUNTRY ROUND DELHI. (Published for the use of the Army at the Camp of Exercise, December 1871.) Compiled in the Office of the Surveyor-General of India, Calcutta. *Scale,* 2 *miles to* 1 *inch; size,* 34 *inches by* 32; *price* 4*s.*

*** Containing parts of the Districts of Delhi, Goorgaon, and Rohtuk, in the Punjab; and of Meerut and Boolundshuhur in the North-West Provinces.

I. AMRITSAR DIVISION.

Including the Districts of—1, Amritsar; 2, Gurdaspur; 3, Sialkot.

General Map.

Map of the UMRITSUR (Amritsir) DIVISION, shewing—I. General Features, Hill and Plain. II. Rivers, Streams, and Canal. III. Railway and Roads of every class. IV. Ferries and Bridges. V. Rest Houses and Encamping Ground. VI. Sites of Tehseel and Police Offices. VII. Limits of Fiscal and Civil Divisions. With an account of the places of Interest in the Plains and an explanation of the Hill Division. These details are from a map prepared by F. A. Prinsep, Deputy Commissioner of Sealkote, 1863. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 30; *price* 4*s.*

LAHORE DIVISION comprising the Districts of Goordaspoor, Umritsur, Lahore, Sealkote, and Goojranwaluh, Punjab Proper. 1850 to 1855. *Scale,* 4 *miles to* 1 *inch; size,* 48 *inches by* 48. MS.

The same, lithographed and published. *Price* 8*s.*

*** This map now represents chiefly Amritsir Division, and besides only two-thirds of Lahore Division.

District Maps.

1. *Amritsar District.*

DISTRICT UMRITSUR (Amritsir) Punjab Proper. 1850 to 1853. *Scale, 2 miles to 1 inch; size, 45 inches by 37; price 6s.*

CANTONMENT and ENVIRONS of UMRITSUR. 1868-69. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 22 inches by 40; price 6s.*

2. *Gurdaspur District.*

DISTRICT GOORDASPOOR, Punjab Proper. 1850 to 1852. *Scale, 2 miles to 1 inch; size, 38 inches by 28; price 6s.*

GOORDASPOOR DISTRICT, Punjab Proper. *Scale, 1 mile to 1 inch; on 6 sheets; size of each, 40 inches by 27; price 12s.*

Map of PURGUNNAH BUTALA, District GOORDASPOOR. Surveyed by Lieut. J. W. B. Blagrave, R.S. Seasons 1850, '51, and '52. *Scale, 1 mile to 1 inch; on 4 sheets; size of each, 24 inches by 26; price 5s.*

3. *Sialkot District.*

DISTRICT SEEALKOT, Punjab Proper. 1851 to 1853. *Scale, 2 miles to 1 inch; size, 34 inches by 31; price 6s.*

CANTONMENT of SEEALKOT. 1853-54. *Scale, 8 inches to 1 mile; size, 27 inches by 38.*

CANTONMENT and ENVIRONS of SEEALKOTE. 1868-69. *Scale, 6 inches to 1 mile; on 6 sheets; size of each, 22 inches by 30; price, 12s.*

CANTONMENT and ENVIRONS of SEEALKOTE. 1868-69. *Scale, 12 inches to 1 mile; on 15 sheets; size of each, 27 inches by 40.*

SEALKOTE BARRACKS. 1. Infantry Lines, 18 sections; 2. Artillery Lines, 8 sections.

Report on the REVISED SETTLEMENT of SEALKOTE DISTRICT in the Amritsir Division, effected by E. A. Prinsep, Esq. Lahore, 1865. Vol. I. Fcap. folio, boards. Accompanied by :—

PUNJAB. STATISTICAL ACCOUNT of the SEALKOTE DISTRICT, geographically sketched by Edward A. Prinsep, B.C.S., Settlement Officer in the years 1855 to 1860. Sixteen maps, with explanatory remarks. Vol. II. Demy folio, boards.

1. Distribution of Agricultural Tribes according to ownership and occupancy of Land.
2. Political Divisions and Past Fiscal Administration.
3. Rent-free Holdings and Principal Jaghiredars.
4. Physical features and zones of Fertility.
5. Productiveness as influenced by Rain, Irrigation, etc.
6. Soils and circles of Varying Fertility.
7. Variety of Produce.
8. Range of Prices and principal Markets.
9. Pressure and Working of the Settlement.

10. Deduced rates and estimates adopted in fixing the Assessment.
11. Circles of Assessment and fiscal results of Revised Settlement.
12. Fiscal Divisions.
13. Police Divisions.
14. Roads and Lines of Traffic.
15. Statistical Aspects of Area, Agriculture, and Population.
16. Prevailing Tenures and modes of Village Assessment.

II. DELHI DIVISION.

Including the Districts of—1, Delhi; 2, Gurgaon; and 3, Karnal.

1. *Delhi District.*

Map of the DISTRICT of DEHLEE, surveyed by Captains T. Oliver, J. H. Simmonds; including the Jageer of Balubgurh, by Captain W. Brown. Reduced and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. (1840). *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 22.

Map of the DISTRICT of DIHLEE, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown, Revenue Surveyors in 1824, '25, '26, '30, '31, '32, and '40. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 20. Lithograph.

DISTRICT DELHI. 1872–74. Surveyed by Capt. W. H. Wilkins, Officiating Deputy Superintendent and Assistants. *Scale,* 1 *mile to* 1 *inch; on* 7 *sheets.* Only 6 sheets are published.

Trigonometrical Survey of the ENVIRONS of DELHY or SHAH JEHANABAD. 1808. *Scale,* 2 *miles to* 1 *inch; size,* 24 *inches by* 18. MS.

DELHI (Plan of the City). A Native Map, with names in the vernacular character. *Size,* 41 *inches by* 45. No title. MS.

The FORT and CANTONMENT of DELHI. Taken from Lieut. Burgess's Survey of 1849–50. *Scale,* ¼ *mile to* 1 *inch; size,* 22 *inches by* 15. Lithograph.

The FORT and CANTONMENT of DELHI. Taken from Lieut. Burgess's Survey of 1849–50, with additions from other records. The Batteries showing the attack on the Fort taken from a plan signed A. Becher, Colonel, Quartermaster-General of the Army, 9th November 1857. *Scale,* ¼ *mile to* 1 *inch; size,* 24 *inches by* 20. Surveyor-General's Office, Calcutta, 1857.

Plan of DELHI. Copied and zincographed at the Ordnance Survey Office, Southampton, from a MS. plan in the possession of Colonel Edward Hervey, Unattached, August 3rd, 1857. *Scale,* 200 *yards to* 1 *inch; size,* 28 *inches by* 33.

DELHI. 1857. *Scale,* ½ *mile to* 1 *inch; size,* 9 *inches by* 15. Published by W. H. Allen and Co., London.

DELHI and its ENVIRONS during the Siege, 1857, showing the position of the British Batteries on 11th September. No title. *Scale,* 1 *mile to* 2 *inches; size,* 17 *inches by* 23. MS. tracing.

Country round DELHI. 1875. Compiled in the Office of the Surveyor-General of India, Calcutta, from the Revenue Survey Sheets of the Delhi District, surveyed in 1872–4. *Scale*, 1 *mile to* 1 *inch; size*, 35 *inches by* 40. Folded in a cover.

The same reduced to 2 *miles to* 1 *inch; size*, 20 *inches by* 20. Folded in a cover.

CANTONMENT, CITY, and ENVIRONS of DELHI. 1867–8. *Scale*, 6 *inches to* 1 *mile; on* 4 *sheets; size*, 50 *inches by* 32; *price* 8*s*.

CANTONMENT, CITY, and ENVIRONS of DELHI. 1867–68. *Scale*, 12 *inches to* 1 *mile; on* 8 *sheets; size of each*, 26 *inches by* 34.

DELHI BARRACKS:—1. Artillery and Infantry Barracks, on 2 sheets; 2. Artillery and Infantry Barracks, on 4 sheets; 3. Batteries and proposed Officers' Quarters.

2. *Gurgaon District.*

Map of the DISTRICT of GOORGAON, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P., Allahabad, 15th December 1840. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 24.

Map of the DISTRICT of GOORGAON, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown, Revenue Surveyors, in 1828, '29, '30, '31, '32, '38, and '40. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale*, 4 *miles to* 1 *inch; size*, 20 *inches by* 26.

3. *Karnal District.*

Map of the DISTRICT of PANEEPUT,* surveyed by Captain T. Oliver. Reduced and lithographed in the Superintendent of Revenue Surveys' Office, under the orders of H. M. Elliot, Esq., Secretary to the Board of Revenue, N.W.P. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 19. No date.

Map of the DISTRICT of PANEEPUT* surveyed by Captains T. Oliver and J. H. Simmonds, Revenue Surveyors, in 1822 to '28, and 1832 to '33. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 20.

KURNAL, CITY, CIVIL STATION, OLD CANTONMENT, and ENVIRONS. 1871–72. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 40 *inches by* 27.

III. DERAJAT DIVISION.

Including the Districts of—1, Bannu; 2, Dera Ghazi Khan; 3, Dera Ismail Khan.

1, 3. *Bannu and Dera Ismail Khan Districts.*

DISTRICTS BUNNOO and DERAH ISHMAEL KHAN, with the Kabul Kheyl and Mahsood Wuzeree Hills, Upper Derahjat. 1856 to 1861. With a table of latitudes, longitudes, and heights of stations; also topographical notes. *Scale*, 4 *miles to* 1 *inch; size*, 60 *inches by* 43. MS.

The same, lithographed and published. *Price* 12*s*.

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* Now divided between Delhi and Karnal.

Plan of BUNNOO, showing the attack on the Fort of Lukkee. No title or scale or date. *Size,* 14 *inches by* 13.

A Sketch Map and MEMOIR of BUNNOO in 1853. By Lieut. Sykes, 2nd Punjab Infantry. Foolscap. MS.

STATION and CITY of BUNNOO. 1860–61. *Scale,* 10 *chains to* 1 *inch; size,* 28 *inches by* 36.

Part of the DERAJAT between KHURRUK and DERAH ISHMAIL KHAN, showing the position which a force should occupy to protect the Derajat. No title, scale, or date. *Size,* 14 *inches by* 13.

CITY and CANTONMENTS of DERAH ISHMAEL KHAN. 1859–60. *Scale,* 8 *inches to* 1 *mile; size,* 27 *inches by* 36.

2. *Dera Ghazi Khan District.*

DISTRICT DERA GHAZEE KHAN, Lower Derajat. 1856 to 1859. With a table of latitudes, longitudes, and heights of stations and peaks; also topographical notes. *Scale,* 4 *miles to* 1 *inch; size,* 63 *inches by* 38. MS.

The same, lithographed and published. *Price* 12*s.*

DISTRICT DERAH GHAZI KHAN. Punjab Revenue Survey. *Scale,* 1 *mile to* 1 *inch; to be completed in* 21 *sheets, of which sheets* 1, 2, 3, 4, 4*a,* 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, *are published; size of each,* 40 *inches by* 27. With an Index Map.

CANTONMENT and CITY of DERAH GHAZEE KHAN. 1858–59. *Scale,* 10 *Gunter's chains to* 1 *inch; size,* 24 *inches by* 32.

Plan of DERAH GHAZI KHAN, CANTONMENT, CITY, and ENVIRONS. 1872–73. *Scale,* 6 *inches to* 1 *mile; on* 2 *sheets; size of each,* 26 *inches by* 34.

IV. HISSAR DIVISION.

Including the Districts of—1, Hissar; 2, Rohtak; 3, Sirsa.

General Map.

Map of the following NATIVE STATES near DELHI, viz., Jhugghur, Dadree, Buhadurgurh, Patoudee, Loharoo, Bullumghur, Kote-Qasim Dajana, Furrucknuggur, Seekree; with a table showing the area, annual revenue, and population of each. Calcutta, 1842. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 30. MS.

*** Now in the Divisions of Hissar and Delhi.

1. *Hissar District.*

Map of the DISTRICT of HURRIANA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. No date. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 23.

Map of the DISTRICT of HURRIANA, surveyed by Captains J. H. Simmonds and W. Brown, Revenue Surveyors, in 1832, '33, '37, and '38. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 30 inches by 24.*

Report on the Revised Land Revenue Settlement of the HISSAR DISTRICT, in the Hissar Division of the Panjab, effected by Munshi Amin Chand, Extra Assistant Commissioner. Lahore, 1875. Royal 8vo., cloth. With a Map.

2. *Rohtak District.*

Map of the DISTRICT of ROHTUK, surveyed by Captains T. Oliver and J. H. Simmonds, Revenue Surveyors, in 1823, '24, '26, '27, '31, and '32. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 22 inches by 26.*

3. *Sirsa District.*

Map of the DISTRICT of BHUTTEEANNA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. No date. *Scale, 4 miles to 1 inch; in 2 sheets; size of each, 26 inches by 18.*

V. JULLUNDUR DIVISION.

Including the Districts of—1, Hoshiarpur; 2, Jullundur; and 3, Kangra; with the Sub-Districts of Kullu, Lahul, and Spiti.

General Map.

The TRANS-SUTLEJ (now JULINDER) DIVISION, comprising the Districts of Jalundhur (Julinder), Hoshyarpoor, and Kangra. 1847 to 1852. *Scale, 4 miles to 1 inch; size, 33 inches by 36; price 8s.*

The JALUNDHUR DOOAB, comprising the Districts of Jalundhur, Hoshyarpoor, and Kangra. 1847 to 1852. *Scale, 4 miles to 1 inch; size, 34 inches by 35.* MS.

1. *Hoshiarpur District.*

Map of the DISTRICT of HOSHIYARPOOR, surveyed by Lieuts. W. C. Hutchinson and T. C. Blagrave, Revenue Surveyors, in 1847, '48, and '49. *Scale, 2 miles to 1 inch; size, 47 inches by 40; price 4s.*

2. *Jullundur District.*

Map of the DISTRICT of JALINDHUR (Julinder), surveyed by Lieut. J. R. Becher, W. C. Hutchinson, and T. C. Blagrave, Revenue Surveyors, in 1846, '47, '48. *Scale, 2 miles to 1 inch; size, 30 inches by 40; price 4s.*

CANTONMENTS of JALINDHUR. 1850. *Scale, 8 inches to 1 mile; size, 27 inches by 30.*

CANTONMENT and ENVIRONS of JALINDHUR (Julinder). 1868–69. *Scale, 6 inches to 1 mile; on 6 sheets; size of each, 24 inches by 30; price 10s.*

CANTONMENT and ENVIRONS of JALINDHUR. 1868–69.
Scale, 12 *inches to* 1 *mile; on* 12 *sheets; size of each,* 28 *inches by* 40.

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Scale, 6 *inches to* 1 *mile; size,* 36 *inches by* 42; *price* 4*s.*

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3. *Kangra District.*

DISTRICT KANGRA. 1847–52. With a Table of Latitudes, Longitudes, and Heights of G. P. S. Stations. *Scale,* 2 *miles to* 1 *inch; size,* 46 *inches by* 50; *price* 8*s.*

*** This map omits Kullu, Lahul, and Spiti.

A map of KANGRA DISTRICT, including KULLU, LAHUL, and SPITI, composed of the sheets of the Indian Atlas, mounted together and coloured to show the sub-districts. *Scale,* 4 *miles to* 1 *inch; size,* 85 *inches by* 50.

REPORT on the LAND REVENUE SETTLEMENTS of the KANGRA DISTRICT, Panjab. By J. B. Lyall, Esq., B.C.S. 1865–72. Lahore, 1874. 8vo., cloth.

VI. LAHORE DIVISION.

Including the Districts of—1, Ferozepore; 2, Gujranwala; and 3, Lahore.

Lahore Division, General Maps. See *Amritsir.*

1. *Ferozepore District.*

DISTRICT FEROZEPOOR. Surveyed in 1849 to 53 and 1862–63, with corrections to 1870. *Scale,* 2 *miles to* 1 *inch; on* 4 *sheets; size of each,* 25 *inches by* 29.

CANTONMENT and ENVIRONS of FEROZEPOOR. 1868, '69. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size,* 62 *inches by* 50; *price* 8*s.*

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2. *Gujranwala District.*

DISTRICT GOOJRANWALUH, Punjab Proper. 1852 to 1855.
Scale, 2 *miles to* 1 *inch; size,* 40 *inches by* 40; *price* 4*s.*

The same, corrected to 1870. *Price* 6*s.*

REPORT on the Revision of the LAND REVENUE SETTLEMENT of the GUJRANWALLA DISTRICT. Effected by Lieut. R. P. Nisbet, Assist. Settlement Commissioner, in the years 1866 and 1867. Lahore, 1874. Royal 8vo., cloth.

Maps connected with the foregoing Report. 20 maps, folio, half-cloth. Contents :—

Depth of Wells, Rainfall, &c. for Tehseel Gujranwala.
" " " Wuzeerabad.
" " " Hafizabad.

1. Distribution of Agricultural Tribes.
2. Political Divisions and History.
3. Present aspect of Revenue-free Holdings.
4. Physical Features and Geography.
5. Irrigated Condition and Productive Capacity.
6. Statistics of Area under different kinds of soil.
7. " " " Articles of Produce.
8. Statistics of Area, Agriculture, and Population.
9. Pressure and working of the last settlement.
10. The Rates and deduced Estimate of Revised Settlement (Assessment Chapter).
11. Fiscal Results of Revised Settlement.
12. Fiscal divisions of the District.
13. Police Divisions.
14. The Roads and Lines of Traffic, Encamping Grounds, Rest-houses, and Ferries.
15. The locality of Schools.
16. The locality of Rakhs or Government Grass Preserves.
17. Tenures and prevailing Modes of Assessment.

3. *Lahore District.*

DISTRICT of LAHORE, Punjab Proper. 1851 to 1853. *Scale, 2 miles to 1 inch; size, 54 inches by 48; price 8s.*

Report on the Revised Land Revenue Settlement of the LAHORE DISTRICT, in the LAHORE DIVISION of the PANJAB, effected by Leslie S. Saunders, Esq., B.C.S. 1865–69. Lahore, 1873. Royal 8vo., cloth.

Maps connected with the foregoing Report. 18 maps, folio, half-cloth. Contents :—

Map of the City of Lahore and its Suburbs.

1. Distribution of Agricultural Tribes according to ownership and occupancy of Land.
2. Political Divisions and past Fiscal Administration.
3. Rent-free Holdings and principal Jaghirdars.
4. Physical Features and Zones of Fertility.
5. Irrigation by the Baree Doab and other canals.
6. The different soils and circles of varying fertility, as adopted for purposes of taxation.
7. Areas under different kinds of Produce.
8. Productive power as influenced by Rain, Irrigation, &c.
9. Deduced Rates and Estimates, adopted in fixing the Revised Assessment.
10. Circles of Assessment and Fiscal Results of the Revised Settlement.
11. Police Divisions.
12. Roads and Lines of Traffic.
13. Statistical aspects of Area, Agriculture and Population.
14. Prevailing tenures and modes of internal assessment.
15. Zaildari sub-divisions.
16. Village Schools.
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Plan of the CITY of LAHORE. By G. B. Tremenheere, Captain Superintending, Engineers. Lahore, 1848. *Size, 20 inches by 15.*

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1. Plan of Artillery Lines, 6 sections.
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VII. MOOLTAN DIVISION.

Including the Districts of—1, Jhang; 2, Montgomery, formerly Gugaira; 3, Mooltan; 4, Muzaffargarh.

General Map.

MOOLTAN DIVISION, comprising the Districts of Googaira, Jhung, Mooltan, and Mozzuffurgurh, Punjab Proper. 1855 to 1858. *Scale,* 4 *miles to* 1 *inch; size,* 54 *inches by* 70; *price* 12*s.*

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1. *Jhang District.*

DISTRICT JHUNG, Punjab Proper. 1854 to 1856. *Scale,* 2 *miles to* 1 *inch; size,* 58 *inches by* 66; *price* 10*s.*

2. *Montgomery District.*

DISTRICT GOOGAIRA (now MONTGOMERY), Punjab Proper. 1853 to 1856. *Scale,* 2 *miles to* 1 *inch; size,* 60 *inches by* 58; *price* 6*s.*

3. *Mooltan District.*

DISTRICT MOOLTAN, Punjab Proper. 1855 to 1858. *Scale,* 2 *miles to* 1 *inch; size,* 50 *inches by* 58; *price* 10*s.*

Map of the COUNTRY between MOOLTAN and TALOOMBA. Surveyed by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General, Mooltan F. F., and the Guides of the Department, during the months of November and December 1849. *Scale,* 1 *mile to* 1 *inch; size,* 66 *inches by* 26. MS.

Plan of the ENVIRONS of MOOLTAN, by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General. *Scale,* 1 *mile to* 1 *inch; size,* 14 *inches by* 15. MS.

MOOLTAN. Memorandum by Lieut. Christopher, I. N., with lithographed sketches and maps of Mooltan Forts and environs (June 1848). MS.

Sketch of the FORTIFICATIONS of MOULTAN. Published by James Wyld, London, November 4th, 1848. *Size,* 21 *inches by* 27.

MOOLTAN (Fort, showing the Parallels of Attack and positions of the British Batteries, 1849). By Lieut. W. S. Oliphant, Bengal Engineers. *No scale; size,* 14 *inches by* 19.

MOOLTAN (Town and Citadel) by Lieut. W. S. Oliphant, Bengal Engineers (1849). *Scale,* 4 *inches to* 1 *mile; size,* 10 *inches by* 13.

Plan of MOOLTAN, from a sketch received from Captain J. Ramsay, Assistant Quartermaster-General (showing the positions occupied by the British Troops at the Siege), Bombay, 17th February 1849. *Scale,* 6 *inches to* 1 *mile; size,* 26 *inches by* 34.

Plan of MOOLTAN and its ENVIRONS, showing the position of the British Forces at the Siege, by Captain J. Ramsay, Assistant Quartermaster-General, M. F. Force, 1849. Lithographed by William Lines, East India House. No title. *Scale,* 2 *inches to* 1 *mile; size,* 14 *inches by* 20.

Sketch of the CITY of MOOLTAN. No title. Lithographed by William Lines, East India House, 24th February 1849. *Size,* 14 *inches by* 20.

Map of the CANTONMENTS, CIVIL LINES, FORT, CITY, and SUBURBS of MOOLTAN. Surveyed in 1856–57 by Captain G. H. Thompson, Revenue Surveyor. *Scale,* 4 *inches to* 1 *mile; size,* 27 *inches by* 40. Lithographed at the Topographical Depôt, War Department, London.

MOOLTAN CANTONMENTS, CITY, FORT, and CIVIL LINES. *Scale,* 500 *feet to* 1 *inch; size,* 36 *inches by* 50. On tracing cloth. MS.

Plan of CANTONMENTS, MOOLTAN; showing proposed re-arrangement of barracks by Executive Engineers, with reference to the Fort. *Size,* 30 *inches by* 36. On tracing cloth. MS.

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New Arrangement BARRACKS of MOOLTAN CANTONMENT. Approved by the Govt. of India. See 3rd Public Works letters, 1282 M. of 23rd Nov. 1865. *Scale,* 500 *feet to* 1 *inch; size,* 18 *inches by* 33. On tracing cloth. MS.

Sketch of proposed Fortified Post at MOOLTAN. *Size,* 17 *inches by* 23. On tracing cloth. MS.

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4. *Muzaffargarh District.*

DISTRICT MOZUFFURGURH, Punjab Proper. 1855 to 1857. *Scale,* 2 *miles to* 1 *inch; size,* 72 *inches by* 56; *price* 10*s.*

VIII. PESHAWAR DIVISION.

Including the Districts of :—1, Hazara ; 2, Kohat ; and 3, Peshawar.

1. *Hazara District.*

MILITARY Map of HAZARA, surveyed by Lieut. D. G. Robinson, Engineers, in 1848–9. Revised and adjusted under the directions of Lieut. Col. A. S. Waugh, Surveyor-General of India, on the basis of the Great Trigonometrical Survey of India in 1854–5. *Scale,* 2 *miles to* 1 *inch; on* 3½ *sheets; size,* 54 *inches by* 60. MS.

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REPORT upon the MILITARY SURVEY of HAZARA by Lieut. D. G. Robinson, 1847–49, and finished 1853. (Letter to Colonel Waugh, December 1st, 1855.) On 13 pp. fcap., unbound. MS.

Sketch Map of TRACTS conterminous with the NORTHERN BORDER of HUZARA. *Scale, about* 8 *miles to* 1 *inch; size,* 22 *inches by* 26. MS.

KHAGAN. Surveyed by Lieut. T. T. Carter, R.E., 1st Assistant Great Trigonometrical Survey of India, Office of Superintendent, Great Trigonometrical Survey, Dehra Doon, July 1866. *Scale,* 4 *miles to* 1 *inch; size,* 16 *inches by* 23. MS., on tracing cloth.

ROUGH SKETCH Map of the BLACK MOUNTAIN and COUNTRY adjoining UGRORE. September, 1868. By Lieut.-Col. H. C. Johnstone, Revenue Surveyor attached to the Hazara Field Force. *Scale,* 2 *miles to* 1 *inch; size,* 40 *inches by* 27 ; *price* 4*s.*

Map to Illustrate the Operations of the HUZARUH FIELD FORCE under Major-General A. Wilde, C.B., C.S.I. October, 1868. Surveyed by Lieut.-Col. H. C. Johnstone, and assistants. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 22; *price* 2*s.*

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2. *Kohat District.*

Geological Map of the TRANS-INDUS SALT REGION. By A. B. Wynne. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 40.

*** *See also,* Northern Trans-Indus Frontier, Map No. 3, p. 237.

REPORT on the KOHAT PASS. By Lieut. R. L. N. Cavagnari, Officiating Deputy Commissioner, Kohat. 1867. With a Map. Drawn up at the request of Major F. R. Pollock. 8vo., 75 pp., unbound.

3. *Peshawar District.*

DISTRICT PESHAWUR. 1863–65 and 1869–70. *Scale,* 1 *inch to* 1 *mile; on* 10 *sheets; size of each,* 40 *inches by* 28.

NOWSHERA, CANTONMENT, TOWN, and ENVIRONS. 1866, '67. *Scale,* 6 *inches to* 1 *mile; on* 3 *sheets; size,* 27 *inches by* 60; *price* 6*s.*

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Plan of PESHAWUR, CANTONMENT, CITY, and ENVIRONS. 1866, '67, '68, '69. *Scale,* 12 *inches to* 1 *mile; on* 10 *sheets; size of each,* 27 *inches by* 40.

A general REPORT on the YUSUFZAIS, in six chapters, with a Map. By H. W. Bellew, Assistant Surgeon, Corps of Guides. Lahore, 1864. 8vo. cloth.

*** *See also* North-west Frontier Maps, p. 238.

IX. RAWALPINDI DIVISION.

Including the Districts of—1, Gujrat; 2, Jhelum; 3, Rawalpindi; and 4, Shahpur.

1, 4. *Gujrat and Shahpur Districts.*

DISTRICT GOOJRAT, Punjab Proper. 1853 to 1855. *Scale,* 2 *miles to* 1 *inch; size,* 33 *inches by* 41; *price* 4*s.*

REPORT on the Second Regular Settlement of the GUJRAT DISTRICT, PANJAB. (1867–68.) By Captain W. G. Waterfield. Lahore, 1874. Royal 8vo., cloth.

Maps connected with the REPORT on the Second Regular Settlement of the GUJRAT DISTRICT. 1867–68. Folio, half cloth. Contents:—

Goojurat District. *Scale,* 6 *miles to* 1 *inch.*

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1. Physical Features and Zones of Fertility.
2. Depth of Water below Surface.
3. Roads and Lines of Traffic.

HISTORICAL.

4. Goojurat Jurisdictions of the Delhi Empire under Akbar, A.D. 1519.
5. Partition by Sikh Sardars, A.D. 1764.
6. Sikh Rule, A.D. 1810.
7. Old Zails (para. 43, First Regular Settlement).
8. Location of the Agricultural Tribes.

STATISTICAL.

9. Statistics of Area, Agriculture, and Population, 1868.
10. Police Jurisdictions.
11. Proposed Thanah limits.
12. Schools, A.D. 1867.
13. Assigned Revenues.
14. Description and class of produce.

FISCAL.

15. Old Tahsils and Assessment Circles.
16. New Rates deduced.
17. Assessment circles described.
18. Fiscal Results.
19. Fiscal Divisions.
20. Fiscal Divisions Index.
21. Government Preserves.

FINAL.

22. Prospective.

DISTRICTS SHAHPOOR and GOOJRAT, Punjab Proper 1853 to 1859. *Scale*, 4 *miles to* 1 *inch*; *size*, 32 *inches by* 50; *price* 6*s*.

*** *See also*, District Shahpoor.

2, 3. *Jhelum and Rawalpindi Districts.*

Map of a PORTION of the JHELUM DISTRICT, showing the new roads traced and proposed. Compiled and drawn by Lieut. Nightingale, Superintendent District Roads, from the Surveys of Lieut. Nightingale and Messrs. McRae and Wilson, Assistant Civil Engineers. 1853. *Scale*, 1,200 *feet to* 1 *inch*; *size*, 30 *inches by* 48. MS.

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Skeleton Map of DISTRICTS JHELUM and RAWUL PINDEE. 1863. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 46.

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Plan of CAMPBELLPOOR,* CANTONMENTS and ENVIRONS. 1865–6. *Scale,* 6 *inches to* 1 *mile; size,* 29 *inches by* 28; *price* 4*s.*

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Plan of RAWUL PINDEE, CANTONMENTS, TOWN, and ENVIRONS. 1865–6. *Scale,* 6 *inches to* 1 *mile; size,* 42 *inches by* 44; *price* 8*s.*

*** *See also,* Camp of Exercise, 1872–73, p. 166.

Plan of the TOWN of RAWAL PINDI, in Persian characters. Painted at Lahore, 1874. *Size,* 70 *inches by* 90.

Proposed Plan, &c. of HALF COMPANY BARRACKS at RAWULPINDEE. *Scale,* 20 *feet to* 1 *inch; size,* 15 *inches by* 21. On tracing cloth. MS.

SURVEY of PROPOSED NEW ROAD from PIND DADUN KHAN to CHOYAH. September, 1853. *Scale,* 20 *chains to* 1 *inch; size,* 40 *inches by* 27. MS.

SURVEY (of road from) JHELUM to PIND DADUN KHAN. Surveyed by Kuniya Lall, Native Surveyor. August, 1852. *Scale,* 2 *miles to* 1 *inch; size,* 27 *inches by* 10. MS.

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* Called Kamalpoor in Indian Atlas 14, and in Robinson's survey; also Kamilpoor on the plan itself.

4. Shahpur District.

DISTRICT SHAHPOOR, PUNJAB PROPER. 1854–55, 1858–59, and 1863–65. *Scale,* 2 *miles to* 1 *inch; on* 4 *sheets; size of each,* 26 *inches by* 34.

*** *See also,* Gujerat District.

X. UMBALLA DIVISION.

Including the Districts of—1, Ludhiana; 2, Simla; 3, Umballa.

General Map.

The BRITISH and NATIVE STATES in the CIS-SUTLEJ DIVISION, comprising the Districts of Ferozpoor,* Loodeeana, Umballa, Thanesur,* and Simla, with Putteeluh,† Nabhuh,† Jeendh,† Kotluh,† Kulseea,† and Fureedkot.† 1847 *to* 1851. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size of each,* 46 *inches by* 31. MS.

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1. Ludhiana District.

Sketch of ROOPUR ENCAMPMENT. By Capt. Wade. Received 14th February 1834. *Scale,* 1 *mile to inch; size,* 18 *inches by* 26. MS.

2. Simla District.

SIMLA, from a Sketch by Capt. Garden drawn on stone and published by J. B. Tassin. 1830. *Scale,* 600 *yards to* 1 *inch; size,* 12 *inches by* 17.

SIMLA and JUTOG. Topographical Survey of India. 1872–73. *Scale,* 24 *inches to* 1 *mile; on* 20 *sheets; size of each,* 27 *inches by* 40.

SIMLA and JUTOG. Topographical Survey of India. 1872–73. *Scale,* 16 *inches to* 1 *mile; on* 20 *sheets; size of each,* 20 *inches by* 27.

Preliminary INDEX to the Sheets of the Topographical Survey of SIMLA. Seasons 1872–73, &c., under publication on the *scales of* 24 *and* 16 *inches to* 1 *mile. Scale of the Index,* 3 *inches to* 1 *mile; size,* 22 *inches by* 30.

Guide Plan of SIMLA and JUTOG, HIMALAYA MOUNTAINS, PUNJAB. With an Index to the Sheets of the Survey, executed by Captain George Strahan, R.E., and Assistants, &c. 1872–74. *Scale,* 4 *inches to* 1 *mile; size,* 23 *inches by* 32. Folded in a cover.

*** With a list of houses.

3. Umballa District.

DISTRICT THUNAISUR.* *Scale,* 2 *miles to* 1 *inch; on* 2 *sheets; size,* 38 *inches by* 54; *price* 4*s.*

UMBALLA CANTONMENT, CITY, and ENVIRONS. 1867 to 1869. *Scale,* 12 *inches to* 1 *mile; on* 14 *sheets; size of each,* 27 *inches by* 40.

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* Ferozpoor District is now in Lahore Division. Thanesar District is now divided between Umballa and Kurnal Districts.

† Native principalities.

CANTONMENTS, CITY, and ENVIRONS of UMBALLA. 1867–8. *Scale,* 6 *inches to* 1 *mile; on* 6 *sheets; size,* 60 *inches by* 60; *price* 8*s.*

UMBALLA BARRACKS, PUNJAB:—

1. Block Plan of Artillery Lines at Umballa, on 23 sheets.
2. European Infantry Lines, on 12 sheets.
3. European Cavalry Lines, on 15 sheets.

NATIVE PRINCIPALITIES UNDER THE PUNJAB GOVERNMENT.

1. *Bahawalpur.*

BHAWULPOOR STATE. 1869 to '75. *Scale,* 1 *mile to* 1 *inch; to be completed on* 26 *sheets, of which Nos.* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 29, 31, 32, 36, 37, 38, 43, 47, *are published; size of each,* 27 *inches by* 39.

Index to the 1 mile=1 inch sheets of BHAWULPOOR STATE. 1869 to 1875. *Scale,* 8 *miles to* 1 *inch; size,* 40 *inches by* 27.

Map illustrating the Levels taken over the BANGUR LAND in the BHAWULPOOR and portion of the BIKANEER STATES during the years 1869–70. *Scale,* 8 *miles to* 1 *inch; on* 4 *sheets.* With P.W. letter 165 of 1870.

Plan of the TOWN, STATION, and ENVIRONS of BHAWULPOOR, surveyed in season 1873–74. *Scale,* 8 *inches to* 1 *mile; size,* 22 *inches by* 30.

2. *Bashahr.*

Memoir on the construction of a Map of KOONAWUR, in the HILL STATE of BUSEHUR. (Signed A. Gerard, Captain, Surveyor in the Valley of the Nerbudda. 26th July 1826.) Foolscap, 14 pages. MS.

Remarks regarding the GEOLOGICAL SPECIMENS collected in 1821 by J. G. and A. Gerard. (An account of their journey through Koonawur.) Fcap., 116 pages. MS.

3. *Hindur (Nalagarh) and Kahlur (Bilaspur).*

A Map of HINDOOR and KALEUR, &c., representing the Country lately conquered by the Army under the command of Major-General Ochterlony. By George Hutchinson, Ensign of Engineers. September 1815. *Scale,* 69½ *British miles to a degree; size,* 26 *inches by* 39. MS.

Construction of the Map of HINDOOR and KALEUR, &c. By George Hutchinson, Ensign of Engineers. September 1815. *Scale,* 69½ *British miles to a degree; size,* 26 *inches by* 39. MS.

4. *Kashmir.*

Map of KASHMIR, LADAK and LITTLE TIBET, and of the countries between the Sutluj and the Oxus, chiefly from the Surveys of G. T. Vigne, Esq., Lieut. I. Wood, J. N., Major R. Leech, Bombay Engineers, Lieut.-Col. Neil

Campbell, Q. M. General Bombay Estab., and Lieuts. J. Anderson and H. M. Durand of the Bengal Engineers. Compiled by order of the Court of Directors of the East India Company. By John Walker, 1842. *Scale,* 14 *miles to* 1 *inch; size,* 40 *inches by* 52.

Survey of that part of the BOUNDARY between the BRITISH and JAMOO TERRITORIES from the RAVI to the JHILAM, triangulated and surveyed by Lieut. D. G. Robinson, Engineers, and Messrs. H. B. Talbot, Joseph James, and J. P. Platts, Sub-assistants Great Trigonometrical Survey, under the instructions of Lieut.-Col. A. S. Waugh, Engineers, Surveyor-General of India. 1850–51. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 38. MS.

Map of LADAK, with the adjoining parts of BALTI and MONYUL. Constructed by Capt. Henry Strachey, from his own surveys and other materials based upon the Indian Atlas, Nos. 47 and 66. March 1851. *Scale,* 8 *miles to* 1 *inch; size,* 38 *inches by* 26. MS.

Map of NARI KHORSUM, including the Easternmost Parts of LADAK with the contiguous Districts of MON YUL. Constructed by Capt. Henry Strachey, from his own surveys and other materials, based upon the Indian Atlas, Nos. 47, 65, and 66. March 1851. *Scale,* 8 *miles to* 1 *inch; size,* 38 *inches by* 26. MS.

Map of the Country north of the SUTLUJ RIVER, comprehended between KASHMEER and the MANAS SAROWUR LAKE, including LADAK and the District of KOONAWUR. Compiled from existing materials in the Office of the Surveyor-General of India. November 1841. *Scale,* 8 *miles* 1 *to inch; size,* 50 *inches by* 50. MS.

Map of part of GOOLAB SING'S TERRITORY, North of Cashmere, by Lieut. Ralph Young, Bengal Engineers, from observations made during an expedition made by the late Mr. P. Vans Agnew, C.S., accompanied by Lieut. Young and Mr. Jas. Edw. Winterbottom, to fix the North-western Boundaries of that Kingdom, in 1847. Traced from the original in possession of J. E. Winterbottom, Esq., by Henry Strachey. March 1852. *Scale,* 9 *miles to* 1 *inch; size,* 28 *inches by* 25. MS.

Plane Table Sketch of a portion of the JAMMU TERRITORY, executed by Mr. J. O. N. James, Sub-Assistant, Great Trigonometrical Survey of India. 1852. *Scale,* 4 *miles to* 1 *inch; size,* 24 *inches by* 25. MS.

Map of KASHMIR, with part of adjacent MOUNTAINS, surveyed on the basis of the Great Trigonometrical Survey of India, under the instruction of Lieut.-Colonel A. S. Waugh, Engineers, F.R.S., F.R.G.S., Surveyor-General of India; by Capt. T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant G. T. Survey of India, and the Assistants under his orders, during 1855, '56, and '57. *Scale,* 2 *miles to* 1 *inch. With an insertion entitled, Kashmir Route Map; scale,* 32 *miles to* 1 *inch; on* 4 *sheets; size,* 50 *inches by* 50. MS.

The same, lithographed and published. *Price* 12*s*.

CORRESPONDENCE respecting the GENERAL MAP of CASHMERE. 1857, '59. MS.

JAMOO, KASHMIR, and adjacent DISTRICTS, surveyed between the years 1856 and 1860, under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Bengal Eng., F.R.S. and F.R.G.S., Hon. Assoc. Geog. Soc. Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent G. T. Survey. By Captain T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant Great Trigonometrical Survey of India, and the Assistants

under his orders. *Scale*, 4 *miles to* 1 *inch*. *With an insertion entitled:—Srinagar, or City of Kashmir and Environs; scale*, 1 *mile to* 1 *inch; on* 4 *sheets; size*, 56 *inches by* 48. MS.

The same, lithographed and published, 1861. *Price* 16*s*.

KASHMIR, ROUTE MAP, compiled by Capt. T. G. Montgomerie, 1863–4. With Itineraries and Polymetrical Tables. Fifth Edition. *Scale*, 32 *miles to* 1 *inch; size*, 27 *inches by* 30; *price* 2*s*.

Route Map of the WESTERN HIMALAYAS, KASHMIR, PUNJAB, and NORTHERN INDIA (including the former Kashmir Route Map). Compiled by Major T. G. Montgomerie, R.E., F.R.S., F.R.G.S., &c., Officiating Superintendent, G. T. S. 1872. *Scale*, 32 *miles to* 1 *inch; size*, 24 *inches by* 34. With a Route Book, 8vo., 24 pages, sewed.

DOMINIONS of the MAHARAJAH of KASHMIR, on the basis of the Great Trigonometrical Survey of India. Photozincographed sections of part of the Survey of Kashmir, Ladak, and Baltistan, or Little Tibet. Published in the office of the Superintendent Great Trigonometrical Survey of India, pending the completion of the corresponding sheets of the Indian Atlas; Dehra Doon, 1868. *Scale*, 8 *miles to* 1 *inch; on* 15 *sheets, including an Index Map, stitched together; size*, 20 *inches by* 40; *price* 20*s*.

DOMINIONS of H. H. RUNBIR SINGH, K.S.I., &c., JAMOO TERRITORIES. Surveyed on the basis of the Great Trigonometrical Survey of India by Capt. T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant G. T. Survey of India and the Assistants under his orders, during 1857, '58, '59, and '60. Lithographed at the Surveyor-General's Office, Calcutta, 1871. *Scale*, 2 *miles to* 1 *inch; on* 3 *sheets; size of each*, 40 *inches by* 33; *price* 8*s*.

Map illustrating the ROUTES taken by Mr. Johnson, Civil Assistant G. T. Survey, in travelling from LEH to KHOTAN and back in 1865. *Scale*, 16 *miles to* 1 *inch; size*, 25 *inches by* 20.

Map showing ROUTES from the PUNJAB to EASTERN TURKESTAN, to illustrate Memorandum by T. D. Forsyth, C.B., Commissioner and Superintendent, Jullundur Division, Punjab. *Scale*, 32 *miles to* 1 *inch; size*, 20 *inches by* 24. Lithograph.

ROUTES between the PUNJAB and YARKAND, to illustrate the Reports of Mr. Forsyth and Dr. Cayley. *Scale*, 32 *miles to* 1 *inch; size*, 20 *inches by* 20. Lithograph.

Handbook to the Trade Products of LEH, with the Statistics of the Trade from 1867 to 1872 inclusive. By J. E. T. Aitchison, M.D., F.L.S., Surgeon-Major, H.M.'s Indian Army, lately British Commissioner, Ladak. Calcutta, 1874. 8vo., cloth.

NATIVE Map of SRINAGAR. No title. *Size*, 25 *inches by* 32. MS.

SRINAGAR, or CITY of KASHMIR, and ENVIRONS. *Scale*, 2 *inches to* 1 *mile; size*, 36 *inches by* 26; *price* 2*s*.

5. *Chamba*.

CHAMBA TERRITORY. *Scale*, 2 *miles to* 1 *inch; on* 4 *sheets; size of each*, 25 *inches by* 29.

6. *Sirhind Plain.*

Portions of JAGEERS PUTTEALA, JHEEND, NABA, &c., and of DISTRICTS ROHTUK, DELHI, GOORGAON, and HISSAR. Surveyed by Major H. C. Johnstone, Rev. Surveyor. 1861, '62, '63. *Scale,* 2 *miles to* 1 *inch; on* 4 *sheets; size,* 44 *inches by* 64; *price* 6*s.*
See also Umballa Division.

7. *Subathu Agency.* (*Obsolete. In the Cis-Sutlej Highlands.*)

Sketch Map of the RELATIVE POSITIONS of the GOVERNMENT DISTRICTS and PROTECTED HILL STATES under the Soobathoo Agency. October 1841. *Size,* 17 *inches by* 21. MS.

V. RAJPUTANA AGENCY.

Including the British Districts of Ajmir and Mairwara, and nine Assistant Agencies, viz.,—Meywar Agency; Jaipur Agency; Shujangarh Agency; Marwar Agency; Haraoti Agency; Eastern States Agency; Dholpur Agency; Alwar Agency, and Sirohi Agency.

General Maps.

RAJPOOTANA and adjacent COUNTRIES, compiled from various existing materials in the Office of the Surveyor-General of India to 1846. *Scale,* 8 *miles to* 1 *inch; on* 8 *sheets; size of each,* 27 *inches by* 40; *price* 1*l.* 12*s.*

RAJPOOTANA TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch. Photozincographs of the original drawings. To be completed in* 253 *sheets; size of each sheet,* 24 *inches by* 36; *price* 2*s.* The following are published:—

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Index to the sheets of the Rajpootana Topographical Survey. *Scale,* 32 *miles to* 1 *inch; size,* 27 *inches by* 20; *price* 6*d.*

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Sketch Map of RAJPOOTANA, showing the localities invaded by Cholera in 1872, and the position of the principal Dispensaries. *Scale,* 32 *miles to* 1 *inch; size,* 18 *inches by* 16.

Map of the Districts of JAJPOOR, SHAIPOORA, BANNERA, and some smaller hereditary Thakurs, and part of Mandalgarh, based on the triangulation of the Aramlia series. Surveyed during the fair season of '49, '50, by Sub-Assistant Mr. J. Fraser, under the orders of Lieut. H. Rivers, First Assist. G. T. S. *Scale,* 4 *miles to* 1 *inch; size,* 33 *inches by* 22. MS.

Route Maps and Itineraries.

SURVEY of the ROUTE of the BRITISH ARMY during the Campaign of 1803–4, under the Command of His Excellency General Lake, from Allygurh to Delhi and Agra; and from Agra by Futtehpore Sikree, Laswaree, Bayana, Hindoun, Balaheree, Dowsa, Newei to Rampoora, and back again by

Khosealgurh, Hindoun, and Ware to Agra. By Lieut. H. C. Smith, Engineers. *Scale*, 1 *mile to* 1 *inch; in* 8 *parts on* 7 *sheets; size of each, about* 61 *inches by* 29. MSS.

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ROUTE from JUNJUNNO, in SHAIKAWAL to BUMLOO, in BICKANIER, by Lieut. Macartney. No title. Marked No. 2. *Size*, 11 *inches by* 29. MS.

Continuation of above ROUTE from BUMLOO, viâ BICKANIER to BHOULPORE (Bahawalpore), by Lieut. Macartney. No title. Marked No. 4. *Size*, 14 *inches by* 43. MS.

ROUTE from SAGUR to JEIPOOR and BURTHPOOR (Bhurtpoor), by Lieut. J. Tod, Assistant Surveyor. 1811. No title or scale. *Size*, 31 *inches by* 27. MS.

ROUTE of F. B. S. Wilder, Esquire, from AJMEER to MAIRTAH, near ODYPORE viâ JODEPORE. Received, July 1822. *Scale*, 8 *miles to* 1 *inch; size*, 24 *inches by* 19. MS.

ROUTES throughout the INDIAN DESERT to the VALLEY of SCINDE, also in Beekaneer, Jessilmeer, Shikanote, &c., &c. Signed J. Tod. 1831. Fcap., half-bound. MS.

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ROUTE from JEYSULMEER towards KHYERPOOR, by Lieut. Henry Creed, Artillery. 1840. No title or scale. *Size*, 13 *inches by* 23. MS.

Southern Rajputana.

A Map of the SOUTHERN PORTION of RAJPOOTANA, including all the Countries bordering on the North-Western Frontier of the Bombay Presidency, constructed by order of the Bombay Government, from surveys made in 1829–30, by Lieut. A. Burnes of the Qr. Mr. Gen.'s Department, assisted by Lieut. J. Holland of the same Department. *Scale*, 8 *miles to* 1 *inch; size*, 44 *inches by* 49.

The same Map on a reduced scale of 12 miles to 1 inch. With an insertion entitled, Parkur, on an enlarged scale from Surveys in 1829. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 34. MS.

Northern Rajputana.

Map of the NORTHERN PORTION of RAJWARA. Compiled from various authentic materials by A. H. E. Boileau, Lieut., Engineers. 1837. *Scale*, 12 *miles to* 1 *inch; size*, 24 *inches by* 33.

Boundary Maps.

Sketch Map exhibiting the NEW BOUNDARY between the STATES of BAHAWULPOOR, BIKANEER, and BRITISH TERRITORY, as adjusted by the Commissioners in 1844 and 1848. *Scale*, 4 *miles to* 1 *inch; size*, 43 *inches by* 48. MS.

Map of the FRONTIER BOUNDARY between the STATES of BAHAWULPORE, KHYRPOOR, and JESULMER, and between JODHPOOR and SINDH. Surveyed and defined in the years 1849 and 1850, by Lieut. J. R. Becher, Engineers, and Captain C. F. Jackson, Boundary Commissioners. Compiled in the Surveyor-General's Office, Calcutta, August 1853. *Scale*, 4 *miles to* 1 *inch ; size*, 82 *inches by* 50. MS.

THE BRITISH DISTRICTS OF AJMIR AND MAIRWARRA.

General Maps.

Map of the DISTRICTS of AJMERE and MAIRWARA, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale*, 4 *miles to* 1 *inch ; size*, 34 *inches by* 32. MS.

The same, lithographed and published. *Price* 2*s*.

Skeleton Map of the DISTRICTS of AJMERE and MAIRWARA, Signed, J. Junes, for Officiating Deputy Commissioner, Ajmere and Mairwara. Lithographed from an original, supplied by the Foreign Department, at the Surveyor-General's Office, Calcutta, August, 1871. *Scale*, 4 *miles to* 1 *inch ; size*, 34 *inches by* 27.

Report on the SETTLEMENT of the AJMERE and MHAIRWARA DISTRICTS, by J. D. La Touche, Esq., B.C.S., Settlement Officer, Ajmere and Mhairwara. Calcutta, 1875. With three maps. 8vo., stiff cover.

Gazetteer of AJMER-MERWARA in RAJPUTANA. Compiled by J. D. La Touche of the Bengal Civil Service. Calcutta, 1875. 8vo., stiff cover.

1. *Ajmir District.*

Map of the DISTRICT of AJMERE, by Capt. H. Hall, Deputy-Assistant Quartermaster-General, October, 1820. *Scale*, 4 *miles to* 1 *inch ; size*, 58 *inches by* 33. MS.

Map of the DISTRICT of AJMERE, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale*, 2 *miles to* 1 *inch ; size*, 47 *inches by* 44 ; *price* 4*s*.

The CITY and ENVIRONS of AJMERE in RAJPUTANA. 1875. *Scale*, 12 *inches to* 1 *mile ; on* 4 *sheets ; size*, 34 *inches by* 26.

A Map of the Villages TAHSEEL NAYANAGAR, ZILLAH AJMEER. No date. *Scale*, 2 *miles to* 1 *inch ; size*, 20 *inches by* 12.

CANTONMENT of DEOLI, in Rajpootana. 1868. *Scale*, 5 *inches to* 1 *mile ; size*, 25 *inches by* 25 ; *price* 2*s*.

NUSSEERABAD CANTONMENT (Ajmere). Season 1875. Surveyed by Capt. J. R. Wilmer and others. *Scale*, 6 *inches to* 1 *mile ; size*, 34 *inches by* 26.

Plans of PERMANENT BARRACKS at NUSSEERABAD (Ajmere District, Rajpootana). 1871. In a cover :—
1. Map of 20 miles round.
2. Plan of the Cantonment.
3. Artillery barracks.
4. Infantry barracks.

Plans and Sections of UPPER-STORIED INFANTRY BARRACKS for EUROPEAN INFANTRY at NUSSEERABAD. *Scale*, 20 *feet to* 1 *inch; size*, 26 *inches by* 31. On tracing cloth. MS.

NUSEERABAD EUROPEAN INFANTRY LINES. 1866. *Size*, 17 *inches by* 33. On tracing cloth. MS.
Nuseerabad Royal Artillery Lines, on 6 sheets. No. 13 of 1870.
——— European Infantry Lines, on 9 sheets. No. 12 of 1870.
——— Garrison Cells, No. 21 of 1870–71.

2. *Mairwara District.*

Map of MAIRWARA, RAJPOOTANA. By Henry Hall, Quartermaster-General's Department. 1821. *Scale*, 4 *miles to* 1 *inch; size*, 37 *inches by* 26. MS.

Map of the DISTRICT of MAIRWARA, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale*, 2 *miles to* 1 *inch; size*, 39 *inches by* 27. Lithograph.

CITY of NYANAGAR in RAJPOOTANA. 1874. *Scale*, 6 *inches to* 1 *mile; size*, 22 *inches by* 15.

1. MEWAR OR UDAIPUR* AGENCY.

Chart exhibiting the Range of the BAROMETER and THERMOMETER, the Rainfall, and the Number of Deaths from Cholera in OODEYPOOR, during the Monsoon Epidemic of 1872. By R. D. Cunningham, M.D. *Size*, 17 *inches by* 17.

DISTRICT JAWUD NEEMUCH. (Gwalior Territory.) 1854 to '65. *Scale*, 4 *miles to* 1 *inch; size*, 25 *inches by* 37. MS.

Plan of the CANTONMENT of NEEMUCH, showing all the buildings erected up to 1st March 1860, by Capt. W. Shewell, Assistant Quartermaster-General, D.M.A. *Scale*, 200 *yards to* 1 *inch; size*, 23 *inches by* 38. MS. Trace.

Part Plan of NEEMUCH CANTONMENT, showing proposed disposition of European Lines, Artillery and Infantry. *Scale*, 200 *yards to* 1 *inch; size*, 22 *inches by* 18. MS. Trace.

Plans of the Permanent Barracks at NEEMUCH (Gwalior Territory, Meywar Agency, Rajpootana). 1871. In a cover :—
1. Map of 20 miles round Neemuch.
2. Plan of Neemuch Cantonment.
3. Artillery barracks.
4. New Infantry barracks.

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* In the last Adm. Report, the spelling is Meywar and Oodeypoor. In this heading it is according to Dr. Hunter.

5. Old Infantry barracks.
New European Infantry Barracks, on 8 sheets. Aldershot plan No. 1.
New Royal Artillery Barracks, on 2 sheets. Aldershot plan No. 2.
New European Infantry and Royal Artillery Hospitals, on 2 sheets. Aldershot plan No. 3.
Old European Infantry Barracks, on 2 sheets. Aldershot plan, No. 4.
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Old Royal Artillery Barracks, on 2 sheets. Aldershot plan No. 5.
" " " on 2 sheets. Aldershot plan No. 5*a*.
Old European Infantry Hospital. Aldershot plan, No. 6.
Old Royal Artillery Hospital. Aldershot plan, No. 7.

2. JAIPUR AGENCY.

Map of the JEYPOOR TERRITORY, with the adjoining Native States of Ulwur, Bhurtpoor, Shekhawuttee, Kishengurh, Tourwuttee, and Tonk. Compiled from existing materials in the Office of the Surveyor-General of India. June, 1850. *Scale*, 8 *miles to* 1 *inch; size*, 35 *inches by* 31.

Plan of the CITY and ENVIRONS of JEYPOOR, in Rajpootana, 1865. *Scale*, 1,000 *feet to* 1 *inch; size*, 40 *inches by* 30; *price* 4*s*.

KISHENGARH CITY, Rajputana. 1875. Surveyed by Capt. G. Strahan, R.E., and others. *Scale*, 12 *inches to* 1 *mile; on* 2 *sheets; size*, 40 *inches by* 54.

3. SHUJANGARH AGENCY.

Bikanir.

Gazetteer of the BIKANIR STATE. By Capt. P. W. Powlett, Officiating Political Agent, Alwar. Calcutta, 1874. With a map. 8vo., stiff cover.

4. MARWAR OR JOHDPUR AGENCY.

Map of the TERRITORY of MARWAR or JODPOOR, including the Tract denominated Mairwara. Compiled in the Office of the Surveyor-General of India, Calcutta, 27th April 1845, with additions and corrections to February 1850. *Scale*, 8 *miles to* 1 *inch; size*, 37 *inches by* 48.

5. HARAOTI AGENCY.

Bundi.

Plan of the CITY and ENVIRONS of BUNDI in RAJPOOTANA. 1869–70. *Scale*, 6 *inches to* 1 *mile; size*, 26 *inches by* 34.

Kotah.

Plan of the CITY and ENVIRONS of KOTAH in RAJPOOTANA. 1869–70. *Scale*, 6 *inches to* 1 *mile; size*, 28 *inches by* 21.

CANTONMENT of DEOLI in RAJPOOTANA (Residency of the Haraoti Agent). 1868. *Scale*, 6 *inches to* 1 *mile; size*, 26 *inches by* 27.

Tonk.

Plan of the CITY and ENVIRONS of TONK, in Rajpootana. 1868, '69. *Scale*, 10 *inches to* 1 *mile; on* 2 *sheets; size*, 44 *inches by* 41; *price* 4*s*.

6. EASTERN STATES AGENCY.

Bhartpur.

DISTRICT BHURTPOOR. 1855 to 1858. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 22. MS.

The same, lithographed and published. *Price* 2*s.*

CITY and FORT of BHURTPORE, with the ENVIRONS. 1857–58. *Scale,* 10 *chains* (*or* 1 *furlong*) *to* 1 *inch; size,* 32 *inches by* 39; *price* 3*s.*

Kerauli.

Gazetteer of the KARAULI STATE. By Capt. P. W. Powlett, Settlement Officer, Alwar. Calcutta, 1874. With a map. 8vo., stiff cover.

The CITY and ENVIRONS of KEROWLI. 1864–65. *Scale,* 500 *feet to* 1 *inch; size,* 27 *inches by* 40.

OOTGIR FORT, KEROWLI STATE. *Scale,* 500 *feet to* 1 *inch; size,* 11 *inches by* 15.

7. DHOLPUR AGENCY.

PLAN of the CITY and ENVIRONS of DHOLPOOR. 1864–65. *Scale,* 500 *feet to* 1 *inch; size,* 27 *inches by* 40.

8. ALWAR AGENCY.

Plan of the FORT and CITY of ULWUR, GWALIOR, and CENTRAL INDIA. Topographical Survey, Season 1868–69. *Scale,* 6 *inches to* 1 *mile; size,* 27 *inches by* 40.

9. SIROHI AGENCY.

Map of the PLATEAUX of MOUNT ABOO in RAJPOOTANA. 1870. *Scale,* 12 *inches to* 1 *mile; on* 4 *sheets; size of each,* 26 *inches by* 34.

Map of the PLATEAUX of MOUNT ABOO in RAJPOOTANA. 1870. *Scale,* 8 *inches to* 1 *mile; on* 2 *sheets; size of each,* 27 *inches by* 40.

Plan of the CANTONMENTS and CIVIL STATION of MOUNT ABOO in RAJPOOTANA. 1870. *Scale,* 2 *feet to* 1 *mile; on* 2 *sheets; size of each,* 27 *inches by* 40.

CANTONMENT of ERINPOORA in RAJPOOTANA. 1873. *Scale,* 6 *inches to* 1 *mile; size,* 15 *inches by* 22.

Plan of the Permanent Barracks at MOUNT ABOO (Sirohi Agency, Rajputana). 1869. In a cover:—

1. Map of 20 miles round Mount Aboo.
2. Plan of Mount Aboo.
3. Sanitarium Barracks.

VI. CENTRAL INDIA AGENCY.

Including the Indore, Gwalior, Bhopal, Bandalkhand, Bhagalkhand, Western Malwa, Bhopawar or Bhil, Maunpur, and Guna Agencies.

General Maps.

Map of MALWA and adjoining Countries. Constructed by order of Major-General Sir John Malcolm, G.C.B., &c., &c., from the Routes of his Division, and the Surveys of Officers under his command, by Lieut. Robert Gibbings, Assistant Quartermaster-General, Madras Establishment, 31st December 1820. Reduced in the Office of the Surveyor-General of India from the original, with additions from recent Surveys to the Eastward of the Meridian of 77° ; the positions of the principal places having been duly corrected by the Calcutta Longitudinal and Great Arc Meridional Series, of the G. T. Survey of India. November, 1845. *Scale,* 8 *miles to* 1 *inch ; size,* 38 *inches by* 67.

Map of MALWA, and adjoining Countries. Constructed by order of Major-General Sir J. Malcolm, G.C.B., from the Routes of his Division, and the Surveys of Officers under his command. Reduced from the original in the Surveyor-General's Office, Calcutta. September, 1822. *Scale,* 16 *miles to* 1 *inch ; size,* 21 *inches to* 34. MS.

Map of the MALWA STATES, by Col. Fielding. About 1840. No title or scale. *On* 2 *sheets ; size,* 52 *inches by* 44. MS.

A compilation from the above Map, with various additions. No title or scale. *On* 3 *sheets ; size,* 76 *inches by* 52. MS.

Sketch of part of MALWA, &c. *Scale, about* 12 *miles to* 1 *inch ; size,* 38 *inches by* 25. MS.

Sketch Map of the CENTRAL INDIA (or Indore) AGENCY. Compiled from various materials. 1868. *Scale,* 16 *miles to* 1 *inch ; size,* 32 *inches by* 42 ; *price* 3*s.*

GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch. Photozincographs of the original drawings. To be completed by the* 100*th sheet; size of each,* 24 *inches by* 36 ; *price* 2*s.*

The following are published :—

Nos. 1*a*, 1*b*, 1*c*, 2*a*, 2*b*, 3*a*, 3*b*, 3*c*, 4*a*, 4*b*, 5*b*, 6*a*, 6*b*, 7*a*, 7*b*, 8, 8½, 9*a*, 9*b*, 10*b*, 11*a*, 11*b*, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 26, 27, 30, 31, 31½, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 72, 73, 74.

Index to the sheets of the Gwalior and Central India Topographical Survey. *Scale,* 16 *miles to* 1 *inch ; size,* 38 *inches by* 27 ; *price* 6*d.*

GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY, Degree Sheets. *Scale,* 4 *miles to* 1 *inch.* The MS. Drawings. Sheet No. 1. Parts of Gwalior, Dholpoor, and Dattiah States. 1866. Sheet No. 3. Parts of Gwalior, Jeypur, Dholpur, and Kerowlie States. 1866. *Size,* 22 *inches by* 23. MSS.

GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY, Degree Sheets. *Scale,* 4 *miles to* 1 *inch. Photozincographs. To be completed in* 16 *sheets ; price* 1*s. each.*

Nos. 2, 3, 4*a*, 5, 6, 7, are ready.

Route Maps.

The ROUTE of MAJOR PALMER, from FUTTEHGURH to AGRA and OUJEIN. Delineated from Geometrical Survey and Astronomical Observations, by W. Hunter, Surgeon to the Residency at Scindiah's Durbar. 1793. *Scale,* 62½ *miles to a degree; on* 14 *sheets; size of each,* 24 *inches by* 20. Two sheets missing. MSS.

ROUTE of the BENGAL ARMY from SERINUGGUR to KEITA, commencing the 14th December 1809 and ending the 20th May 1810, with additional Routes by W. Elliott Morrieson, Engineers, Surveyor to the Detachment. *Scale,* 6 *miles to* 1 *inch; size,* 27 *inches by* 22. MS.

Survey of the ROUTE of the DETACHMENT under the command of Col. Goddard from CALPY to SURAT. From Calpy to the City of Boorhanpore-Johanabad by Arthur Caldwell, Lieut. of Engineers (in 25 sheets, with Abstract of each day's march); and from Boorhanpore-Johanabad to the City of Surat by Duncan Stewart, Lieut. of Infantry (in 17 sheets). *Scale,* 4 *miles to* 1 *inch; size of each sheet,* 21 *inches by* 15. Received 1811. MSS.

Survey of Lieut.-Colonel GODDARD'S MARCH from CHATTERPORE to MOW. *Size,* 21 *inches by* 15. Received 1811. MS.

ROUTE from SURAT viâ BARODA and OOGEIN to GUALIOR. No title, scale, or date. *Size,* 31 *inches by* 29. MS.

Map showing the ROUTES taken by Colonels UPTON and GODDARD, from SURAT to KALPEE. *Scale,* 25 *miles to* 1 *inch; size,* 19 *inches by* 29. No title. MS.

Survey along the CHUMBUL RIVER, forming the British Frontier and that of their Ally, Khanah Keerut Singh, from the Kerowly Demarcation to the Junction of that River with the Jumna, and along the latter stream to Kalpee, delineating the British Territories South of it, and continued along the Cobarry River, forming a Doab with the Chumbul, with the various Territories in and on each side of it distinctly marked; by J. Tod, Captain, Surveyor. June 1st, 1813. *Scale,* 2 *miles to* 1 *inch; size,* 29 *inches by* 90. MS.

ROUTES of a DETACHMENT of LIGHT TROOPS under the command of Major-General Brown, in pursuit of the Pindaries, through CENTRAL INDIA. By J. F. Paton, Ensign Engineers and Surveyor. 1818. *Scale, about* 4 *miles to* 1 *inch; in* 4 *sheets, of varying sizes, about* 20 *inches by* 30 *each.* MSS.

ROUTES in MALWA (extending from Pahlunpoor to Saugor and Hussingabad). Surveyed by Lieut. Wm. Garden, D.A.Q.M.G. 1823. *Scale,* 4 *miles to* 1 *inch; size,* 29 *inches by* 104. MS.

TRACT from AGRA to BHOPAL, surveyed by Captain A. Gerard. 1823. *Scale,* 16 *miles to* 1 *inch; size,* 22 *inches by* 15. MS.

ROUTE from SAUGOR to the CANTONMENT of BHOPALPOOR, as surveyed in December 1824 by Lieut. F. C. Robb, Deputy Assistant Quartermaster-General. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 36. MS.

ROUTE from the CANTONMENTS at BHOPALPOOR to KOTAH. Surveyed in January 1825, by Lieut. F. C. Robb, Deputy Assistant Quartermaster-General. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 23. MS.

COUNTRY between ETAWAH, DELHI, JAYPOOR, and KOTAH, showing various Routes. *Scale,* 16 *miles to* 1 *inch; size,* 19 *inches by* 27. No title. MS.

ORIGINAL Maps in 4 Sheets, marked Nos. 1, 2, 3, 4. Received from Captain A. Gerard, 18th November 1826. *Scale of* 4 *miles to* 1 *inch; size of each,* 21 *inches by* 15. MSS.

No. 1. From Agra to Gwalior.
No. 2. From Gwalior to Kolarus.
No. 3. From Kolarus to Seronge.
No. 4. From Seronge to Bhopal.

Map of the ROAD from MIRZAPORE to SAUGOR. 1827. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 63. MS.

ROUTES from BETERWAR, GWALIOR, BHURTPORE, and HATRASS to KUTOLLIE. No title, date, or scale. *Size,* 14 *inches by* 22. MS.

ROUTES between KEMLASSAH and BARODAH. No title, date, or scale. *Size,* 15 *inches by* 22. MS.

ROUTES between BHOPAL, SIRONJ, HINDOUN, KUTCHAPOOR, &c. No title, date, or scale. *Size,* 14 *inches by* 21. MS.

ROUTE from PEHT, a little South of the Nerbudda River, viâ SHEOR (Sehore), BOPAUL (Bhopal) to BILSAH. No title; marked No. 3. *Size,* 39 *inches by* 26. MS.

Lieut. J. JOHNSTON'S Surveys in MALWA and HAROWTIE, containing, amongst others, the following principal places:—Kotah, Jalra Puttun, Bhopalpur Cantonments, Monohur Thanah, Gungrar on the Sinde River. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 40. MS.

TOPOGRAPHICAL CHART, compiled chiefly from ROUTE SURVEYS carried on by Senior 1st Class Sub-Assistant Mr. Fraser, under the orders of Captain P. Renny, 1st Assistant, G.T.S., between the Principal and Secondary Stations of the Great Longitudinal Series, Western Section, in the season 1848–49. *Scale,* 4 *miles to* 1 *inch; size,* 33 *inches by* 26. MS.

Plan of the AGRA and BOMBAY ROAD, with the COUNTRY extending 30 miles to the East and West of it, and exhibiting the Staging Bungalows, Post Offices, &c. from Agra to the Nerbudda River. Compiled in the Surveyor-General's Office, from available materials, December 1851. *Scale,* 4 *miles to* 1 *inch; size,* 114 *inches by* 26.

Route from AGRA to BOMBAY, viâ Kentree Ghaut, Indore, Mundlaisir, and Sindwha. 1841. Fcap., unbound. MS.

1. INDORE RESIDENCY.

See Khandesh and Bombay Native States Topographical Survey, page 438; also Bhopal and Malwa Topographical Survey, page 268.

Place of the Permanent Barracks at MHOW (Indore Residency, Central India) 1871. In a cover:—

1. Map of 20 miles round.
2. Plan of Mhow Cantonment.
3. Artillery barracks.
4. Temporary Artillery barracks.
5. Cavalry barracks.
6. Infantry barracks.

CITY, FORT, and ENVIRONS of MAHESAR, in Holkars' Nimar. (Surveyed by F. B. Girdlestone, Esq., and Assistants.) 1874. *Scale, 6 inches to* 1 *mile; size,* 22 *inches by* 30.

2. GWALIOR AGENCY.

Map of the GWALIOR TERRITORY, and adjoining NATIVE STATES in CENTRAL INDIA. Compiled from existing materials in the Office of the Surveyor-General of India, 1847. *Scale,* 8 *miles to* 1 *inch; on* 4 *sheets; size,* 60 *inches by* 50. MS.

The same, with corrections to August 1851. MS.

The same, lithographed and published. *Price* 16*s.*

Sketch showing the BRITISH TERRITORY proposed to be transferred to Scindia. To accompany Minutes of Conference No. 2. Received May 1861. *Size,* 27 *inches by* 22. MS.

Sketch Map to accompany MINUTES OF CONFERENCE No. 2. Altered to show the proposition made by the Maharaja in Conference No. 8. *Size,* 27 *inches by* 20. Two copies. MSS.

GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY. The MS. Drawings. Each sheet is named as follows:—

Part of Gwalior Territory. Sheet No. 1 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 29 *inches by* 47. MS.

Parts of Dholpoor and Gwalior Territories. Sheet No. 2 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 42 *inches by* 39. MS.

Parts of Gwalior and Dattiah Territories. Sheet No. 3 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 39 *inches by* 47. MS.

Part of Gwalior Territory. Sheet No. 4 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 41 *inches by* 38. MS.

*** Contains the City of Gwalior and Morar Cantonments.

Parts of Dattiah and Gwalior Territories. Sheet No. 5 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 40 *inches by* 37. MS.

Parts of Dattiah and Gwalior Territories. Sheet No. 6 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 40 *inches by* 37. MS.

Parts of Dholpoor and Gwalior Territories. Sheet No. 7 of the Gwalior and Central India Topographical Survey. *Scale,* 1 *mile to* 1 *inch; size,* 40 *inches by* 37. MS.

FORTRESS and CITY of GWALIOR and CANTONMENT of MORAR, with surrounding Country. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size of each,* 34 *inches by* 26; *price* 8*s.*

Sketch of TOWN and FORT of JHANSI, taken by assault, 3rd April 1858. *Scale,* 6 *inches to* 1 *mile; size,* 25 *inches by* 20. Lithographed at Topographical Depôt, War Department.

Plan of the BATTLE of MAHARAJPOOR, gained by Sir Hugh Gough over Scindia's Mahrattas, December 29th, 1843. By Lieut. Fraser Tytler. *Size,* 13 *inches by* 16. MS.

For Jawud Neemuch, *see* Meywar Agency, Rajputana.

3. BHOPAL AGENCY.

Map of the PRINCIPALITY of BHOPAL, by Capt. Johnston, Surveyor. (1822.) *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 44. MSS. Two copies.

Field Book of the SURVEY of BHOPAUL by Captain Johnston, 24th N. I. 1821. Fcap., half-bound. MS.

Map of the PRINCIPALITY of BHOPAL and the Countries lying along the Frontier of Malwa and Haroutie. Constructed from the Survey of Capt. J. Johnston, 24th Regiment B.N.I. December 1828. *Scale*, 4 *miles to* 1 *inch; size*, 48 *inches by* 55. MS.

BHOPAL and MALWA TOPOGRAPHICAL SURVEY, 1871–72–72. *Scale*, 1 *mile to* 1 *inch*. Photozincographs. *Sheets* 1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 14, 16; *size of each*, 27 *inches by* 40. With a small Index Map.

BHOPAL and ENVIRONS. 1873. *Scale*, 12 *inches to* 1 *mile; on* 6 *sheets; size of each*, 26 *inches by* 34.

BHOPAL and ENVIRONS. 1873. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 26 *inches by* 34.

4. BANDALKHAND AGENCY.

Map of BUNDELCUND, prepared from actual Surveys and corrected by Astronomical Observations, &c., by F. Sackville, Lieutenant and Surveyor, in 1805, '06, '07, '08, and '09. *Scale*, 4 *miles to* 1 *inch; size*, 59 *inches by* 51. MS.

Field Books of a SURVEY of the SOUTHERN FRONTIER of BUNDELCUND, by Lieut. James Franklin. 1814–15. Fcap., stiff cover. MS.

A Map of the SOUTHERN FRONTIER of BUNDELCUND, describing the boundary of the Honourable Company's possessions from Burgurh to Seundah, by Jas. Franklin, Cort. and Surveyor. Received 1816. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 23. MS.

A Map of part of BUNDELKUND, by Lieut. Jas. Paterson, 4th Regiment of Native Cavalry, August 1817. *Scale*, 6 *miles to* 1 *inch; size*, 17 *inches by* 21. MS.

Map of the PROVINCE of BUNDELCUND, and part of Boghelcund (Rewah). Surveyed by Captain James Franklin, Assistant Quartermaster-General, and reduced from the original Map. Surveyor-General's Office, December 1821. *Scale*, 16 *miles to* 1 *inch; size*, 18 *inches by* 22. MS.

Map of the whole PROVINCE of BUNDELCUND, and part of Boghelcund, including all the British Possessions and all the Native States, with their respective boundaries, carefully collated and arranged from various authentic documents, by Captain James Franklin, Assistant Quartermaster-General, Bengal Army. Copied from the original Map in the Surveyor-General's Office, September 30th, 1823. *Scale*, 4 *miles to* 1 *inch; size*, 56 *inches by* 76. MS.

Geological Map of a portion of BUNDELKHUND, showing the Northern Scarp of the Vindhyan Table Land between the Ganges near Allahabad and the Betwa at its exit from the hills. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 48. MS. (trace).

*** See also the printed map, page 71.

Plan of ADJYGURH City. 1870. *Scale,* 6 *inches to* 1 *mile ; size,* 20 *inches by* 17.

BIJAWAR. Bundelcund Topographical Survey, Season 1870–71. *Scale,* 6 *inches to* 1 *mile ; size,* 20 *inches by* 27.

CHUTTERPORE. Bundelcund Topographical Survey, Season 1870–71. *Scale,* 6 *inches to* 1 *mile ; size,* 27 *inches by* 20.

5. BHAGALKHAND AGENCY.

Sketch of part of BOGHELCUND (Rewah), by G. Lindesay, Ensign, Engineers. February 1814. *Size,* 15 *inches by* 15. MS.

A Map of REWAH, or BOGILKUND, by Ensign Lindesay, Engineers. 1814. *Scale,* 4 *miles to* 1 *inch ; on* 3 *sheets ; size,* 43 *inches by* 50. MS.

REWAH (and Bundelcund) TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch.* Original drawings of the following sheets ; *size of each,* 26 *inches by* 39 :—

Nos. 1, 2, 4, 10, 11, 12, 13, and 15.

Index Chart to the Sheets of the No. 5 (Rewah) TOPOGRAPHICAL SURVEY. *Scale,* 8 *miles to* 1 *inch ; size,* 23 *inches by* 35. MSS.

REWAH TERRITORY (Topographical) SURVEY. *Scale,* 4 *miles to* 1 *inch ;* each sheet having two separate drawings, the Topography and the Chart of Triangulation. Sheets Nos. 1, 2, 4, each embracing 1° of longitude and ½° of latitude.

No. 1.	Season	1863–64.	*Size,*	34	*inches by*	22.	
„ 2.	„	1864–65–66	„	39	„	25.	
„ 4.	„	1863–64–65.	„	34	„	23.	MSS.

REWAH and BUNDELCUND TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch. Photozincographs. To be completed in* 50 *sheets.* The following have been published :—Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, *26*, *27*, *28*, *29*, *30*, *31*, 32, *33*, 34, *35*, 36, *37*, *38*, *39*, 40, 41, 44, 46, *47*, 48, *49*, 50, *51* ; *price* 2*s. each.*

*** The Sheets numbered in *upright* figures in the foregoing list are entitled "Rewah Topographical Survey"; Sheets numbered 11 and 34 are entitled "Rewah and Bundelkund Survey"; and Sheets numbered in *sloping* figures are entitled "Bundelcund Topographical Survey." The title adopted for this Catalogue accords with the Index Map in the Topographical Surveys Report for 1869–70.

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REWAH SURVEY, Half Degree Sheets. *Scale,* 4 *miles to* 1 *inch Photozincographs. To be completed in* 17 *sheets.* The following have been published :—

Sheets 3, 5, 6, 7, 8, 10, 11, 12 and 17 in one, 13 ; *price* 1*s. each.*

Plan of the CITY of PUNNAH. Surveyed by Captain W. G. Murray and Assistants. *Scale,* 6 *inches to* 1 *mile ; size,* 19 *inches by* 20 ; *price* 2*s.*

PUNNAH and ENVIRONS. 1870. *Scale,* 6 *inches to* 1 *mile ; size,* 22 *inches by* 30.

Plan of the CITY of REWAH. Surveyed by Captain W. G. Murray and Assistants. *Scale,* 6 *inches to* 1 *mile; size,* 23 *inches by* 19; *price* 2*s.*

Plan of the CITY and CANTONMENTS of NAGODE. 1867-68. Surveyed by Lieut. R. V. Riddell, R.E. *Scale,* 6 *inches to* 1 *mile; size,* 40 *inches by* 27.

Map showing the SITUATION of the TEMPLE CAVES of SHAHPOOR SINGROWLEE. Surveyed by C. H. Burke, July, 1846. *Scale,* 4 *miles to* 1 *inch; size,* 8 *inches by* 11. MS.

6. WESTERN MALWA AGENCY.

CITY and CANTONMENT of JHALRA-PATAN and GAGRON FORT. Seasons 1872-75. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets; size of each* 27 *inches by* 40.

7. BHOPAWAR OR BHIL AGENCY.

See Khandesh and Bombay Native States Topographical Survey, page 438.

8. MAUNPUR AGENCY.

See Bhopal and Malwa Topographical Survey, p. 268; also Khandesh and Bombay Survey.

9. GUNA AGENCY.

See Gwalior and Central India Topographical Survey, page 264.

Plan of the CITY and CANTONMENT of GOONA. 1873. *Scale,* 8 *inches to* 1 *mile; on* 2 *sheets; size of each,* 40 *inches by* 27.

VII. THE CENTRAL PROVINCES.

Including Four Divisions or Provinces, viz.:—Chattisgarh, Jubbulpore, Nagpur, Nerbudda, and Upper Godavari District; and Native Principalities.

The GAZETTEER of the CENTRAL PROVINCES of INDIA. Edited by Charles Grant, Esq., Secretary to the Chief Commissioner of the Central Provinces. Second edition. Nagpur, 1870. Royal 8vo., cloth.

Nagpur Survey.

Plane Table Maps of the NAGPOOR SURVEY. (1821 to 1831?) *On* 61 *sheets; scale,* 1 *mile to* 1 *inch; with an Index Map on the scale of* 10 *miles to* 1 *inch.* Signed, J. B. Norris, Superintendent of the Nagpoor Survey. In two volumes, elephant folio, half-bound.

Completion of the Map of the NAGPORE TERRITORIES, by Messrs. Norris and Weston. 1831. Correspondence with the Atlas. MS.

Map of a SURVEY of 24,000 Square Miles of the NAGPOOR TERRITORY by Messrs. Norris and Weston, Lieuts., late Nagpore Service, February 1831. *Scale,* 4 *miles to* 1 *inch; size* 70 *inches by* 46. MS.

NAGPOOR SURVEY. Original calculations by Captain Stewart, revised and corrected by Mr. Norris. *No date.* Fcap. folio, stiff cover. MS.

Topographical Survey.

CENTRAL PROVINCES TOPOGRAPHICAL SURVEY. (North-Western Division, including Hoshungabad, Baitool, and Chindwara.) Seasons 1866 to '70. *Scale,* 1 *mile to* 1 *inch. Photozincographs. In* 22 *sheets; size,* 36 *inches by* 30; *price* 2*s. each.*

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NORTH EASTERN DIVISION CENTRAL PROVINCES TOPOGRAPHICAL SURVEY. (With Sohagpur in Rewah.) Seasons 1864–65 and 70–71. *Scale,* 1 *mile to* 1 *inch. Photozincographs. To be completed in* 42 *sheets; size of each,* 30 *inches by* 36. *Sheets* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31. With an Index Map.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY, with some sheets of the same series entitled ORISSA and CENTRAL PROVINCES TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch. Photozincographs. Sheets* 34, 35, 36, 37, 40, 45, 59, 68, 70,* 84, 86 *are entitled Ganjam and Orissa Topographical Survey. Old Series. Sheets* 58, 58*a*, *and* 59*a are entitled Orissa and Central Provinces Topographical Survey.*

*** Chiefly Sambalpur District.

CENTRAL PROVINCES and VIZAGAPATAM (JEYPOOR) AGENCY TOPOGRAPHICAL SURVEY. *Scale,* 1 *inch to* 1 *mile. Photozincographs. To be completed in* 68 *sheets; size of each,* 24 *inches by* 36; *price* 2*s. each. Sheets* 1, 4, 6, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 41, 45, 47, 49, *and* 51, 52, 53 *on one sheet.* (*Bustar, Jeypoor, Kalahundi, Kasipur, Panchipenta, Madgul, Vizianagram, Golgonda, Rampa, Rajahmundry.*)

Also sheets 3, 5, 6, not ranging with the rest of the series, but included on the Index Map under Nos. 37, 39, 41, 42.

Nos. 1, 22 to 29, 47, and 49, are New Series.

General Maps.

Map of CENTRAL PROVINCE, to illustrate introductory chapter of Administrative Report, 1862. *Scale,* 32 *miles to* 1 *inch; size,* 24 *inches by* 27; *price* 6*d.*

Another edition, 1863.

Sketch Map of the CENTRAL PROVINCE, showing lines of Railways and proposed Tramways. 1862. *Scale,* 32 *miles to* 1 *inch; size,* 24 *inches by* 27; *price* 6*d.*

Sketch Map of the ROADS, CENTRAL PROVINCES. 1862. *Scale,* 32 *miles to* 1 *inch; size,* 22 *inches by* 30.

Another edition, 1863.

Sketch Map showing RAILWAYS in PROGRESS and TRAMWAYS proposed in the CENTRAL PROVINCE. 1862. *Scale,* 36 *miles to* 1 *inch; size,* 16 *inches by* 19; *price* 6*d.*

Skeleton Map of the CENTRAL PROVINCE, indicating Mineral Resources and Position of the Mohtoor Sanatarium with reference to neighbouring Stations. *Scale*, 32 *miles to* 1 *inch; price* 6*d.*

Sketch Map of the CENTRAL PROVINCE, showing the Imperial and Local Custom's Lines, alluded to in para. 141 of the Administration Report. 1863. *Scale*, 32 *miles to* 1 *inch; size*, 22 *inches by* 30.

CENTRAL PROVINCES, with adjoining British and Native States. 1865. *Scale*, 16 *miles to* 1 *inch; on* 4 *sheets; size*, 44 *inches by* 54; *price* 6*s.*

Saugor and Nerbudda Territories.

(Now on the Northern part of the Central Provinces.)

Sketch Map of the DISTRICTS of SAUGOR and DUMOH in the Saugor and Nerbudda Territories. January, 1853. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 44.

The same Map as above geologically coloured.

Sketch Map of the SAUGOR DIVISION and ADJOINING COUNTRIES. Compiled from available materials in the office of the Surveyor-General of India. August 1855. *Scale*, 12 *miles to* 1 *inch; size*, 36 *inches by* 50.

SAUGOR and NERBUDDA TERRITORIES. Calcutta, 1861. *Scale*, 8 *miles to* 1 *inch; on* 2 *sheets; size of each*, 27 *inches by* 40; *price* 8*s.*

Route Maps.

Mr. CHAPMAN'S ROUTE from CHITTRA in RAMGUR to NAGPORE. Surveyed by Lieut. Ewart with astronomical observations. 1782. *Scale*, 20 *miles to* 1 *inch; size*, 15 *inches by* 21. MS.

ROUTE from MIRZAPOOR to RAMTEEK in GREAT NAGPORE, by J. S. Et. (Ewart ?). 1784. *Scale, about* 2¼ *miles to* 1 *inch; in* 9 *sheets* (1*st missing*); *size of each*, 24 *inches by* 19. No title. MS.

ROUTE from CALPEE to NAGPORE. Inscribed to the Right Hon. Charles Earl Cornwallis, K.G., &c. &c., Governor-General of India, by James Nathl. Rind. March 31st, 1788. *Scale*, 10 *geometrical miles to* 1 *inch; size*, 33 *inches by* 20. MS.

ROUTE from TELWARRA GHAUT on the NERBUDDA, to MIRZAPOOR on the GANGES, in February, 1789, by Lieut. J. N. Rind, Surveyor. Fcap., 14 pages. MS.

A Survey of a ROUTE from CHUNARGUR, in the ZEMINDARRY of BENARES; through Chimdail, Singrowla, Corair, Kurgommah, Mahtin, Choteesgur, Conkair, Chanda, Chinnoor, Paloonshah, Sunkurgheery, to Yertnagoodum; a place in Col. Pearse's Route from Madras to Calcutta, and situated in the Honble. Company's Talook of Reddy, in the Ellore Circar. By J. T. Blunt, Ensign, Engineers. Received December 1796. *In* 5 *sheets; size of each, about* 55 *inches by* 30. MSS.

NARRATIVE of a ROUTE from CHUNARGUR to RAJAMUNDRY in the ELLORE CIRCAR. By Ensign Jas. Blunt, in 1795. Fcap., stiff cover. MS.

Surveys by Lieut. Wm. Lloyd and K. and M. Hircarrah.

ROUTE from KYRAGHUR to COWELWARRAH. By Lieut. W. Lloyd. 1807. *Size,* 17 *inches by* 24. MS.

MARCHES of the MADRAS ARMY from MOOLTIE to SERONGE. 1810. *Scale,* 6 *miles to* 1 *inch; size,* 30 *inches by* 21. MS.

Survey of the ROAD from MUNDILLA to the RAJADHAR GHAT, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about* 2¼ *miles to* 1 *inch; size,* 15 *inches by* 24. MS.

Survey of the ROAD from MUNDILLA to GURRAH, by Mahadeo Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about* 2¼ *miles to* 1 *inch; size,* 21 *inches by* 16. MS.

Survey of the ROAD from RUTTUNPOOR to OMERCUNTUCK, by Mahadeo Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about* 2¼ *miles to* 1 *inch; size,* 20 *inches by* 17. MS.

Survey of the ROAD from OMERCUNTUCK to BURRUCK in the RAJADHAR GHAT, by Mahadeo Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about* 2¼ *miles to* 1 *inch; size,* 17 *inches by* 26. MS.

Survey of the ROAD from BURRUCK, in the RAJADHAR GHAT to KYRAGHUR, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about* 2¼ *miles to* 1 *inch; size,* 26 *inches by* 17. MS.

Survey of the ROAD from HOOSSINGABAD to GURRAH (JUBBULPORE), by Mahadeo and Kistna Hircarrah. Protracted by Lieut. Wm. Lloyd. 1812. *Scale,* 4,000 *yards to* 1 *inch, on* 4 *sheets; size, of each,* 15 *inches by* 20. MS.

Survey of the ROAD from GURRAH to CHUPPARAH, by Mahadeo Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about* 2¼ *miles to* 1 *inch; size,* 25 *inches by* 17. MS.

Survey of the ROAD from CHUPPARAH to SEETABULDY, by Mahadeo and Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about* 2¼ *miles to* 1 *inch; size,* 22 *inches by* 19. MS.

Survey of the ROAD from GURRAH to PAINDRA, by Mahadeo and Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about* 2¼ *miles to* 1 *inch; size,* 16 *inches by* 13. MS.

Survey of the ROAD from SEETABULDEE to SAGUR and GURRAH JUBBULPORE, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about* 2¼ *miles to* 1 *inch, on* 7 *sheets; size of each,* 20 *inches by* 15. MS.

Survey of the ROAD from KOOMBEE to PAINDRA. By Lieut. Wm. Lloyd. *Scale, probably* 4,000 *yards to* 1 *inch, on* 5 *sheets* (1*st missing*); *size of each,* 13 *inches by* 16. No title. MS.

Survey of the ROAD from PAINDRA to MUNDILLA, by Mahadeo and Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale,* 4,000 *yards to* 1 *inch, on* 4 *sheets; size of each,* 13 *inches by* 16. MS.

Survey of the ROAD from MOHAGAON to MUNDILLA, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about* 2¼ *miles to* 1 *inch; size,* 17 *inches by* 21. MS.

ROUTES from MOW to MUNDILLA, MOW to CHUTTERAH, CHUTTERAH to KAMPTA. By Lieut. Wm Lloyd. 1813. *Scale*, 4,000 *yards to* 1 *inch, in* 3 *sheets; size of each*, 16 *inches by* 13. MS.

Route of the MARCH of the BRITISH RESIDENT'S ESCORT from HAZAREEBAUGH to NAGPORE. By W. Lloyd. Received 1814. *Scale*, 3¾ *miles to* 1 *inch; size*, 33 *inches by* 22. MS.

Waugh and Renny's Maps and Reports on the Route from Shaharghati to Amarkant and Jubbulpore.

1.

ROUTE from SHIRGATTI viâ ROTASGARH and VIJYAGARH to CHUNARGARH, and from Rotasgarh viâ Shergar to Chunar, by Lieuts. Waugh and Renny, Engineers. (1833.) *Scale*, 4 *miles to* 1 *inch; size*, 33 *inches by* 20. MS.

*** See Plan of Road from Fort William to Chunargarh, page 167.

2.

REMARKS on a VISIT to the HILL FORTS of RHOTASGURH, VIJYAGURH, LUTTEEFGURH, and SHERGURH, situated on the Kaimur and Bindrachal Hills: by Lieuts. Waugh and Renny: with Sketches and Plans. 1836. Fcap., unbound. MS.

3.

ROUTE from CHUNARGARH to AMARKANT and JABALPUR, in the year 1833, by Lieuts. Waugh and Renny. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets.*

4.

REPORT on the ROUTE from CHUNARGARH to AMARAKANT, by Lieuts. Waugh and Renny (compiled from their journal) with inscriptions, near the source of the Nerbudda at Amarakant, and sketches. 1836. Fcap., unbound. MS.

5.

FIELD BOOK. Route Survey from SHIRGHATTI to CHUNARGARH, viâ ROTASGARH and VIJYAGARH and ROTASGARH and SHERGARH. 1836. Fcap., cloth. MS.

FIELD BOOK. Route Survey from CHUNARGARH to AMARKANT, and JABALPUR. 1836. Fcap., cloth. MS.

6.

COMPUTATIONS. Route Survey from SHIRGHATTI to CHUNARGARH. 1836. Fcap., unbound. MS.

7.

COMPUTATIONS. Route Survey from CHUNARGARH to JABALPUR. 1836. MS.

8.

Map illustrative of the GEOLOGY of the COUNTRY from CHUNARGURH to AMARKANT and JABALPUR, in the year 1833, by Lieuts. Waugh and Renny. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets.* MS.

9.

GEOLOGICAL SECTION from CHUNARGARH to AMARKANT and JABALPUR, on a scale of 4 miles of distance and 1,000 feet of altitude to 1 inch, by Lieuts. Waugh and Renny. *Size*, 25 *inches by* 23. MS.

10.

GEOLOGICAL JOURNAL of a ROUTE from CHUNARGURH to AMARKANT and JABALPUR, in the year 1833, by Lieuts. Waugh and Renny. MS.

Also in the same volume reversed, Journal of a Route from Shirgati to Chunargurh, viâ Rhotasgurh, Vijyagurh, and Shergurh, hill forts on the table land of Rhotasgurh. By Lieuts. Waugh and Renny. Fcap., half-bound. MS.

11.

GEOLOGICAL SKETCH of the COUNTRY between CHUNARGURH and AMARAKANT, and AMARAKANT and JABALPOOR, by Lieuts. Waugh and Renny; compiled from the journal of their route. 1836. MS.

Lieut. Hill's Surveys.

ROUTES between JERUNGHEE, GOONIPOORAM, KURUPAN and TEEKURRAPORRAH (Jeypore Agency). Surveyed in 1834 and 1837, by Lieut. C. T. Hill, Assistant Surveyor-General. *Scale*, 2 *miles to* 1 *inch; size*, 32 *inches by* 28. No title. MS.

A Map of the SURVEYS executed in 1838 (in Ganjam, Jeypoor, Nagpoor, &c.), by Lieut. C. T. Hill, Assistant Surveyor-General, and Sub-Assistant Surveyor John Summers. *Scale*, 8 *miles to* 1 *inch; size*, 37 *inches by* 51. MS.

Map of the SURVEYS (in Nagpore and Native States Central Provinces), executed by Lieut. C. T. Hill, Assistant Surveyor-General, in 1838–39 and 1840–41. Compiled in the Office of the Surveyor-General of India, in 2 sheets. Allahabad, July 1845. *Scale*, 4 *miles to* 1 *inch; size of sheet No.* 1, 43 *inches by* 49; *size of sheet No.* 2, 26 *inches by* 48. MS.

ROUTE from KAMPGOORA to SARRUNGUDDA (Jeypore Agency), corrected for error. Reduced from the Survey executed in 1840–41. *Scale*, 2 *miles to* 1 *inch; size*, 48 *inches by* 27. MS.

The same Route. *On the scale of* 1 *mile to* 1 *inch: on two sheets; size of each*, 26 *inches by* 22. No title. MS.

ROUTE from GORETOLO (Nagpoor) to SARRUNGUDDA (Jeypoor), by Lieut. C. T. Hill, Assistant Surveyor-General. Surveyor-General's Office, Allahabad, 1845. *Scale*, 1 *mile to* 1 *inch; on* 10 *sheets, marked A, B, C, D, E, F, GH, IJ, KL, MN. Size of each*, 22 *inches by* 25. No title. MS.

ROUTE from WYRAGHUR (Nagpoor) to JOONAGUDDA (Native State of Kalahundy), by Lieut. C. T. Hill, Assistant Surveyor-General. Surveyor-General's Office, Allahabad, 1845. *Scale*, 1 *mile to* 1 *inch; on* 7 *sheets marked AB, C, DE, FG, HI, J, K. Size of each*, 22 *inches by* 25. No title. MS.

ROUTE from DAUDPOOR (Native State of Kalahundy) to GOONIPOORAM or KAMPGOORA (Jeypore Agency) by Lieut. C. T. Hill, Assistant Surveyor-General. Surveyor-General's Office, Allahabad, 1845. *Scale*, 1 *mile to* 1 *inch; on* 3 *sheets; marked a, b, c, d; size of each*, 22 *inches by* 25. No title. MS.

Nagpore, Calcutta and Bombay Post Road.

SKETCH of the LINES of COUNTRY surveyed between TANNAH and NAGPOOR, for the Calcutta and Bombay Post Road, by Lieut. W. S. Stuart, Bombay Engineers. 1839. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 105. 2 copies. MSS.

SKETCH of the ROAD and COUNTRY between MIDNAPORE and NAGPORE, by Lieut. Edward Haines, Engineers, Superintendent Survey Raepore Road. 1844. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 162. MS.

DISTRICT BILASPUR. 1872–74. *Scale*, 1 *mile to* 1 *inch; on* 9 *sheets; size of each*, 27 *inches by* 40.

Index to the 1 mile to 1 inch Sheets of District Bilaspur. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 30.

I. CHATTISGARH DIVISION.

Including the Districts of—1, Bilaspur; 2, Raipur; 3, Sambalpur; 4, Upper Godavari.

1. *Bilaspur District.*

DISTRICT of SIRGOOJAH (Bilaspur) by Captain R. B. Ferguson, Surveyor. 1823. *Scale*, 4 *miles to* 1 *inch; size*, 29 *inches by* 34. No title. MS.

2. *Raipur District.*

CIVIL STATION of RAEPORE, including Cantonments. 1867–8. *Scale*, 16 *inches to* 1 *mile; on* 4 *sheets; size*, 40 *inches by* 54; *price* 6*s*.

3. *Sambalpur District.*

SUMBHULPORE, with surrounding places of note and their distances computed from Sumbhulpore. *Scale*, 8 *miles to* 1 *inch; size*, 20 *inches by* 30. MS.

4. *Upper Godavari District.*

Map of the DISTRICTS of GODAVERY, BUSTAR, and KALAHUNDY. 1862. *Scale*, 12 *miles to* 1 *inch; size*, 18 *inches by* 24; *price* 6*d*.

Showing the teak and saul forests. Bustar and Kalahundy (or Karond) are native Principalities.

II. JUBBULPORE DIVISION.

Including the Districts of—1, Damoh; 2, Jubbulpore; 3, Mandlah; 4, Saugor; 5, Seoni.

1. *Damoh District.*

DISTRICT DUMOH. 1863 to 1866. *Scale*, 4 *miles to* 1 *inch; size*, 38 *inches by* 27; *price* 2*s*.

DISTRICT DUMOH (Dummow). 1863 to 1866. *Scale*, 1 *mile to* 1 *inch; in* 12 *sheets; size of each*, 36 *inches by* 30.

The CIVIL STATION and CITY of DUMOH. Season 1864–65. *Scale*, 10 *inches to* 1 *mile; size*, 22 *inches by* 30.

2. *Jubbulpore District.*

Sketch Map of the DISTRICT of JUBBULPOOR, in the Saugor and Nurbudda Territories. February 1841. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 29. Lithograph.

Provisional Map published pending the regular Survey.

The same, geologically coloured.

DISTRICT JUBBULPOOR. 1854 to 1862. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 32. MS.

The same, lithographed and published. *Price* 4*s.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT JUBBULPOOR. 1854 to 1862. *Scale,* 1 *mile to* 1 *inch. Nos.* 1 *to* 25; *on* 15 *sheets, including a General Map of the District on a scale of* 4 *miles to* 1 *inch; price* 3*l.* 8*s.*

No. 1 Purgunnahs Punargur and Gosulpoor.
No. 2. Purgunnah Sehora.
No. 3. Pergunnah Gurha Jubbulpoor.
Nos. 3, 4. „ Singoreghur-Kutungee.
Nos. 5, 6, 7, 12. Purgunnah Bilheree Sleemanabad, Eastern Portion.
Nos. 8, 9, 10, 11. „ „ „ Western Portion.
Nos. 13, 14, 15. „ Koombee.
Nos. 16, 17. „ Gosulpoor.
No. 17. Purgunnahs Punarghur and Soonpoor, part of.
No. 17A. Purgunnah Patun Matunpoor.
No. 18. „ Soonpoor, part of.
Nos. 19, 20, 21. Purgunnahs Burgee and Soonpoor.
No. 22. Purgunnah Singoregurh Kuttungee, portion of.
Nos. 23, 24, 25. Purgunnah Koombhee.

TEHSEEL BIJERAGOGURH, District Jubbulpoor. 1866–7. *Scale,* 4 *miles to* 1 *inch; size,* 13 *inches by* 20; *price* 1*s.*

MAIN CIRCUITS, Nos. 1, 2, 3, TEHSEEL BIJERAGOGURH, District Jubbulpoor. Surveyed in season 1866–67. *Scale,* 1 *mile to* 1 *inch; on* 2 *sheets; size of each,* 40 *inches by* 23.

Plan of the CITY and CANTONMENT of JUBBULPORE. 1866. *Scale,* 8 *inches to one mile; size,* 40 *inches by* 38; *price* 6*s.*

JUBBULPORE BARRACKS:—

1. Key plan of the Barracks for the European troops, on 1 sheet.
2. Artillery and Infantry Barracks, on 8 sheets.

3. *Mandla District.*

Map of SOHAGPOOR and RAMGURH, Districts of the Province of Gundwana, within the jurisdiction of the Commissioner of the Saugor and Nerbudda Territories. Surveyed under instructions from the Sudder Board of Revenue. North West Provinces, by Captain Robert Wroughton, 69th Regiment, B.N.I. and Revenue Surveyor, 1842. With tables of the Agricultural, Revenue, and Statistical Returns. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 40; *price* 8*s.*

*** Sohagpoor is now in Rewah.

4. *Saugor District.*

DISTRICT SAUGOR. 1854 to 1864. *Scale,* 4 *miles to* 1 *inch; size,* 31 *inches by* 27. MS.

The same, lithographed and published. *Price* 2*s.*

DISTRICT SAUGOR. 1854 to '64. *Scale,* 2 *miles to* 1 *inch; on* 6 *sheets; size of each,* 21 *inches by* 27; *price* 8*s.*

MILITARY CANTONMENTS, CIVIL STATION, CITY and SUBURBS of Saugor. 1865-6. *Scale,* 6 *inches to* 1 *mile; on* 2 *sheets; size, complete,* 39 *inches by* 39; *price* 6*s.*

SAUGOR BARRACKS:—

1. Index plan of Military Buildings at Saugor, 1868.
2. Military buildings at Saugor, on 15 sheets.
3. Cross sections of principal military buildings at Saugor.

5. *Seoni District.*

Sketch Map of the DISTRICT OF SEONEE and part of MANDLA, SAUGOR, and NURBUDDA TERRITORIES. Compiled from various materials in the Office of the Surveyor General for India. Calcutta, 20th February 1841. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 37; *price* 4*s.*

DISTRICT SEONEE (Seoni). 1865 to 1869. *Scale,* 1 *mile to* 1 *inch; on* 10 *sheets; size of each,* 27 *inches by* 40; *price* 30*s.* With a small Index Map separately.

Also, a second edition of Sheet No. 4.

DISTRICT SEONEE (Seoni). 1865 to 1869. *Scale,* 4 *miles to* 1 *inch; size,* 36 *inches by* 27; *price* 6*s.*

CITY, CIVIL STATION, and ENVIRONS of SEONEE. 1869. *Scale,* 8 *inches to* 1 *mile; size,* 27 *inches by* 34.

III. NAGPUR DIVISION.

Including the Districts of—1, Balaghat; 2, Bhandara; 3, Chanda; 4. Nagpur; 5, Wardha.

2. *Bhandara District.*

Preliminary Map of DISTRICT BHUNDARA (Bundara). 1858 to 1867. *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 30; *price* 5*s.*

PERGUNNAHS PERTABGURH and portion of KOMPTHA, Tehseel Sakolee, District Bhundara. In 5 sections. 1871-72. *Scale,* 1 *mile to* 1 *inch; size of each section,* 26 *inches by* 34.

3. *Chanda District.*

Sketch Map of the CHANDA DISTRICT (geologically colored). *Scale,* 4 *miles to* 1 *inch; size,* 36 *inches by* 37. MS. Tracing.

DISTRICT CHANDA. 1864 to 1872. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size of each,* 26 *inches by* 34.

CHANDA DISTRICT. *Scale,* 1 *mile to* 1 *inch; to be completed on* 29 *sheets with an Index Map; size of each,* 36 *inches by* 30.

Sheets 1, 2, 3, 3*a*, 3*b*, 3*c*, 4, 5, 6, 7, 7*a*, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25; *price* 3*s. each.*

Also Second Editions of Sheets 15 and 17.

4. *Nagpur District.* 5. *Wardha District.*

DISTRICT NAGPORE. 1858 to 1860. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 35. MS.

The same, lithographed and published. *Price* 6*s.*

DISTRICTS NAGPOOR and WURDAH. 1858 to '60. *Scale,* 2 *miles to* 1 *inch; on* 4 *sheets; size,* 56 *inches by* 62; *price* 10*s.*

Plan of KAMPTEE CANTONMENT, surveyed by the 4th Division Central Provinces Survey, 1865, under the superintendence of Captain J. Macdonald, Bengal Staff Corps. *Scale,* 3 *inches to* 1 *mile; size,* 32 *inches by* 42; *price* 4*s.*

SEETABULDEE and KAMPTEE CANTONMENT and BARRACKS:—

1. Indian Atlas sheet 72, with military roads from Nagpore, coloured.
2. Plan of Kamptee cantonment, on 2 sheets.
3. Plans of all military buildings in the European Infantry Lines at Kamptee, on 24 sheets, A. to X.
4. Plans of Hospitals, &c. for European Infantry and Artillery, on 6 sheets.
5. Plan of the station of Seetabuldee, including Hill Defences.

CITY of NAGPOOR. 1865. *Scale,* 16 *inches to* 1 *mile; on* 6 *sheets; size of each,* 22 *inches by* 30; *price* 10*s.*

Plan of the CITY OF NAGPOOR, by Lieut. Weston. *Scale,* 200 *yards to* 1 *inch; size,* 26 *inches by* 39. MS.

IV. NERBUDDA DIVISION.

Including the Districts of—1, Betul; 2, Chindwara; 3, Hoshangabad; 4, Nimar; 5, Narsinghpur.

1. *Betul District.*

DISTRICT BAITOOL. 1872–74. Central Provinces Revenue Survey. *Scale,* 1 *mile to* 1 *inch; on* 7 *sheets; size of each,* 40 *inches by* 27.

Index to the Sheets of District Baitool, on the scales of 4 inches and 1 inch to 1 mile. *Scale of the Index,* 4 *miles to* 1 *inch; size,* 26 *inches by* 34.

2. *Chindwara District.*

DISTRICT CHINDWARA, Central Provinces Revenue Survey. *Scale,* 1 *inch to* 1 *mile; on* 12 *sheets; sheets* 1, 2 3, 4, 5, *size of each,* 40 *inches by* 27.

CIVIL STATION and ENVIRONS of CHINDWARA. Surveyed in 1869–70. *Scale,* 6 *inches to* 1 *mile; size,* 34 *inches by* 26; *price* 2*s.*

CIVIL STATION and ENVIRONS of CHINDWARA. Surveyed in 1869–70. *Scale,* 12 *inches to* 1 *mile; on* 4 *sheets; size of each,* 26 *inches by* 29.

DEOGURH FORT, Dt. Chindwara. 1873–74. *Scale,* 12 *inches to* 1 *mile; size,* 13 *inches by* 20.

3. *Hoshangabad District.*

HOSHUNGABAD DISTRICT. 1862–67. *Scale,* 4 *miles to* 1 *inch; on* 2 *sheets; size,* 42 *inches by* 56; *price* 5*s.*

PACHMARI SANITARIUM, HOSHUNGABAD. 1871–72. *Scale,* 8 *inches to* 1 *mile; on* 2 *sheets; size of each,* 25 *inches by* 40.
Also a later edition, 1862–70.

PACHMARI SANITARIUM, District HOSHUNGABAD. 1871–72. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 40.

PACHMARI, SATHPOORA RANGE, District CHINDWARA (correctly HOSHUNGABAD), Central Provinces. *Scale,* 2 *inches to* 1 *mile.* Enlarged by M. T. Sale, Lieut. R.E., from the original, surveyed under the superintendence of F. B. Girdlestone, Esq. 1870. *Size,* 22 *inches by* 15.

DISTRICT HOSHUNGABAD. 1862–66. *Scale,* 1 *mile to* 1 *inch; on* 13 *sheets; size of each, about* 27 *inches by* 34; *price* 39*s.* (With an Index Map on the scale of 8 miles to 1 inch.)

The CIVIL STATION, CITY, and CANTONMENT of HOSHUNGABAD. Season 1863–64. *Scale,* 8 *inches to* 1 *mile; size,* 20 *inches by* 27.

4. *Nimar District.*

NIMAR (Nemaur) DISTRICT. *Scale,* 1 *mile to* 1 *inch. To be completed on* 13 *sheets; size of each,* 36 *inches by* 30. Sheets 1, 2, 3, 7, 8, 9, 10, 11, 12, 13; *price* 2*s. each.* With a separate Index.

Also, the Second Edition, complete.

The FORTRESS of ASSEERGURH and TOWN of ASEER. 1869–70. *Scale,* 16 *inches to* 1 *mile; size,* 27 *inches by* 40.
*** Including the environs on a reduced scale.

Plans of the Permanent Barracks at ASSEERGHUR (NIMAR DISTRICT, CENTRAL PROVINCES). 1870. In a cover:—
1. Map of 20 miles round.
2. Plan of Asseerghur.
3. Infantry barracks.

TOWN and CIVIL STATION of KHUNDWA. *Scale,* 16 *inches to* 1 *mile.* Season 1870. *On* 4 *sheets; size of each,* 22 *inches by* 30.

TOWN and CIVIL STATION of KHUNDWA. *Scale,* 8 *inches to* 1 *mile.* Season 1870. *Size,* 26 *inches by* 34.

5. *Narsinghpur District.*

DISTRICT NURSINGHPOOR. 1862–3. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 32; *price* 2*s.*

Portion of PERGUNNAHS NURSINGPOOR, GARURWARA, and CHAWURPATHA, District Nursinghpoor and portions of District Chindwara, made over on lease to the Nerbudda Coal and Iron Company. Surveyed in 1862, under the superintendence of Captain R. E. Oakes, Revenue Surveyor. *Scale, 1 mile to 1 inch; size,* 44 *inches by* 28. MS. Trace, and Lithograph.

*** With plan and section of Mopani Colliery.

Nerbudda Coal and Iron Company. Plan of Works at MOPANEE, with a plan of the Coal Mines. *Scales,* 4 *chains and* 2 *chains to* 1 *inch; size,* 21 *inches by* 61. MS. tracing.

NATIVE PRINCIPALITIES IN THE CENTRAL PROVINCES.

Map of PARTS of the JEYPOOR and BUSTAR Territories. Season 1862, '63. By Captain J. P. Basevi, R.E., 1st Assistant Great Trig. Survey. *Scale,* 8 *miles to* 1 *inch; size,* 21 *inches by* 27; *price* 3*s.*

*** *See also* Ganjam and Orissa Topographical Survey, pages 327, 328.

VIII. HYDERABAD.

THE NIZAM'S GOVERNMENT.

Including—1, the Nizam's Government; and 2, the Assigned Districts or Berar. The actual divisions of the Nizamat are insufficiently known. *See* Contents.

General Maps.

A Map of the DOMINIONS of NIZAM ALY KHAN, comprehending the most considerable part of the Six Soubahs of DEKAN, including the cessions made to the Mahrattahs, and the Frontiers of the neighbouring Powers in 1795; and divided into Circars according to the Provincial Divisions of the Asufrah Register. Constructed chiefly from Surveys made and various authentic materials collected since 1790. Designed to illustrate the History, Geography, and Territorial arrangement of these Provinces. Respectfully inscribed to the Right Honourable Lord Hobart, Governor, &c., &c., by his most obedient and humble servant, Colin Mackenzie, Capt., Engineers, Surveyor to the Nizam's Detachment, Fort St. George, 30th July 1796. *Scale,* 12 *miles to* 1 *inch; size,* 56 *inches by* 48. MS.

*** With elaborate explanation and routes of Surveyors; also a list of the Soubahs and of the Circars included in each, with a statement of their possessors, and remarks.

The ROADS from HYDRABAD to CULBURGA, TOLJAPOOR GHAAT, and FEROSEABAD, on the Beema River. Surveyed between the 14th February and the 3rd April 1797. To which are added (to give a more distinct idea of the elevated tableland of the Ghaats bordering on that part of the Frontier of the Mahrattas and Nizam Aly Khan), the Roads from Hydrabad to Hoomnabad, Beder, Callianee, Dharoor, and Kurdla, from the Survey of 1795. By Colin Mackenzie, Capt. of Engineers, Surveyor to the Nizam's Detachments, Fort St. George, December 10th, 1797. *Scale,* 4 *miles to* 1 *inch; size,* 58 *inches by* 43. MS.

Map of the SURVEYED PORTION of the NIZAM'S DOMINIONS reduced from the original survey of Captains Garling, Young, and Crisp, by order of Major J. A. Hodgson, Surveyor-General of India. Calcutta, 4th December 1826. *Scale,* 16 *miles to* 1 *inch; size,* 19 *inches by* 29. MS.

*** Extends from the Kistnah on the south to the cities of Kummummett, Hyderabad, and Koolburgah on the north, with a strip running to the north-west as far as Ahmednuggur.

Skeleton PLAN exhibiting the whole TRACT surveyed in the NIZAM'S DOMINIONS from the commencement in 1816 to the present time. Copied in the Surveyor-General's Field Office, Dehra Dún, 17th July 1830. *Scale,* 16 *miles to* 1 *inch; size,* 39 *inches by* 33.

BOUNDARIES of TERRITORIES under the Commissioners of Northern Berar and Western Raichore Doab, also of District Barsee and the Principality of Gudwal, included in the Nizam's Dominions. No title. *Scale,* 16 *miles to* 1 *inch; size,* 35 *inches by* 31. MS.

The NIZAM'S DOMINIONS, exhibiting the Territories surveyed from 1816 to the present time, and those assigned to the British Government by the Treaty of 6th June 1855. S.G.O., Calcutta, February 1858. *Scale,* 16 *miles to* 1 *inch; size,* 35 *inches by* 32.

Sketch Map of the NIZAM'S DOMINIONS. Appendix No. 1 (to a report). Showing roads completed, proposed, and under construction; the assigned districts in Berar; Surfikhas and Jageer estates; the ceded Godavery Talooks; and territories restored to the Nizam in 1860. Lithographed in S.G.O., Calcutta, 1862. *No scale; size,* 25 *inches by* 25.

Route Maps, &c.

Survey of a ROUTE from HYDERABAD to KALPY, through the Districts of Golconda, Indore, Neermull, Mahore, Ellichpore, Kerlah, Saugor, and Bundelcund. By Thomas Auburry, Ensign and Practitioner Engineer. *Scale,* 5 *miles to* 1 *degree, or* 14 *miles to* 1 *inch; size,* 46 *inches by* 21. MS.

Another copy without the author's name, but with more details. MS.

The same route, *on the scale of* 4 *miles to* 1 *inch; on* 4 *sheets; size of each,* 50 *inches by* 28. MSS.

JOURNAL of a ROUTE from SECUNDERABAD to PAUGHTOOR on the Kistnah. 1819. 8vo. Stiff covers.

Sketch Map showing the LINE of ROAD from AURUNGABAD to NUNDGAON. *Scale,* 4 *miles to* 1 *inch; size,* 13 *inches by* 16. MS. trace.

British Cantonments, Hyderabad.

Proposed position of EUROPEAN CAVALRY BARRACKS and subsidiary buildings at BOLARUM near Hyderabad, Nizam's Territory. Sheet No. 1. On 28 sheets.

Contoured Plan of the TRIMULGHERRY CANTONMENT (near Secunderabad). 1868. *No scale; size,* 40 *inches by* 27. Lithographed in colors.

SECUNDERABAD and TRIMULGHERRY CANTONMENTS and BARRACKS, Hyderabad, Nizam's Territory:—

1. Indian Atlas, sheet 75, containing Secunderabad, &c. with military roads, coloured.
2. Plan of the Cantonment of Secunderabad, 1868. *On* 2 *sheets; scale,* 6 *inches to* 1 *mile.*
3. European Cavalry Barracks and Outhouses at Secunderabad, 10 sections.
4. Royal Artillery Barracks at Trimulgherry, 12 sections.
5. First European Infantry Barracks and Family Quarters, &c. at Trimulgherry, 16 sections.
6. Second European Infantry Barracks and subsidiary buildings at South Trimulgherry, 16 sections.

DIAGRAM showing the METEOROLOGICAL CONDITION of SECUNDERABAD for the year 1864, viz., amount of ozone, atmospheric pressure, rainfall, temperature of air in the sun and shade, amount of humidity, prevailing winds, &c. Signed, W. Arnold Smith, M.D., Assistant Surgeon, 2nd M.L. Cavalry. January 1st, 1865. *Size,* 24 *inches by* 36.

Hyderabad Topographical Surveys.

On the scale of 1 mile to 1 inch.

The Original Drawings.

The first portion of the Surveys was made in separate Circars, and drawn on small sections, measuring 14 inches by 7 each, including on each section 12′ of latitude and 6′ of longitude.

The subsequent Survey was carried on continuously, and drawn on paper of large and varying sizes.

Drawings of both were also made on a Reduced Scale.

1. *Surveys of the Circars (or Divisions) on the* 1 *inch scale, in Small Sections.*

BASSIM CIRCAR, surveyed in 1840, '41, '42, '45, 46; on 61 sections. (Now partly in Berar.)

BAYTHULWADDY CIRCAR, surveyed in 1842, '43, '44; on 21 sections.

BEDER CIRCAR, surveyed in 1829, '30, and '32; on 46 sections.

BHEER CIRCAR, surveyed in 1835, '36; on 46 sections.

DAROOR CIRCAR, surveyed in 1836; on 33 sections.

DOWLUTABAD CIRCAR, surveyed in 1846, '47, '48; on 52 sections.

EILGUNDEL CIRCAR, surveyed in 1834; on 54 sections.

GAWILGHUR CIRCAR (part of), surveyed in 1845, '46, '49; on 72 sections. (Now in Berar.)

GOLCONDAH (Hyderabad) CIRCAR, North-east part, &c., surveyed in 1827; on 14 sections.

JAULNAH CIRCAR, surveyed in 1841, '42, '43; on 46 sections.

KOILKONDAH CIRCAR, Northern extremity only, surveyed in 1829, '30; on 2 sections.

KOWLASS CIRCAR, surveyed in 1829, '30, '32; on 29 sections.

KULBURGAH CIRCAR, Northern part only, surveyed in 1833; on 15 sections.

KULLIANEE CIRCAR, surveyed in 1833; on 13 sections.

KUMMUMMETT CIRCAR, the Eastern part, surveyed in 1837; on 66 sections.

MAIKER CIRCAR, surveyed in 1840, '41, '42, '43, '44; on 53 sections. (Now in Berar.)

MEDDUCK CIRCAR, surveyed in 1828, '29, and '30; on 56 sections.

MULKAID CIRCAR, Northern part only, surveyed in 1833; on 7 sections.

MULLANGOOR CIRCAR, surveyed in 1834; on 15 sections.

NANDAIR CIRCAR, surveyed in 1832, '36, '37, '39, '40, and '41; on 167 sections.

NULDROOG CIRCAR, surveyed in 1833; on 35 sections.

NURNULLA CIRCAR, surveyed in 1843, '44, '45, '46, '47; on 59 sections. (Now in Berar.)

PATREE CIRCAR, surveyed in 1841, '42; on 34 sections.

PURRAINDA CIRCAR, surveyed in 1835; on 45 sections.

PYTON CIRCAR, surveyed in 1842, '43; on 12 sections.

WARRUNGUL CIRCAR, surveyed in 1829, '30, '31; on 57 sections.

2. *Continuous MS. Surveys, on the* 1 *inch scale, in large Sections.*

Season 1828, '29. Sheets A., B., C., D., E., F., G., H., I., J., K. The greater part of Bhonagheer Circar, &c.
„ 1856, '57. Sheets 1, 2, 3. Re-survey of the Eastern border of Berar.
„ 1857, '58. Sheets 4, 5, 6, 7, 8. Re-survey of S.E. Berar to join Hyderabad.
„ 1858, '59. Sheets 9, 10. Ditto.
„ 1859, '60. Sheet 11, and connecting slips Nos. 1, 2, 3, 4, 5. Re-survey of part of Gawilgurh in Berar.
„ 1860, '61. Sheets A., B., C., D., E. Re-survey of part of Gawilgurh and Nurnulla.
„ 1861, '62. Sheets 12 and 14. Ramgheer, &c.
„ 1862, '63. Sheets 13, 15, 16. Ramgheer, &c.
„ 1863, '64. Sheets 17, 18, 19. Ramgheer, &c.

Season 1864, '65. Sheets 20, 21, 22, 23. Ramgheer, Dewani Mehals.
" " Sheet F. Godavery talook, Sironcha.
" " Sheets 1, 2, 3. Re-survey of Mahore, &c.
" 1865, '66. Sheets G., H., I., J., K., L., including the Godavery talooks, Nugur, Albaka, Cheerla, Bhuddrachellam, and Rakapali.
" " Sheet 4. Re-survey of parts of Mahore and Bassim.

3. *Drawings of Circars (or Divisions) on the Reduced Scale of 4 miles to 1 inch.*

BASSIM. *See* Berar.

BAYTHULWADDY. Map of the Baythulwaddy Circar. Surveyed in the years 1843, '44. Signed, H. Morland, Capt. in charge of Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 21. MS.

BEDER. Map of the Beder Circar, in the Dominions of His Highness the Nizam. Surveyed in the year 1832. Under the superintendence of Lieut. S. C. Macpherson. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 24. MS.
*** *See* Golcondah.

DOWLUTABAD. Plan of Dowlutabad Circar, completed under the superintendence of Major H. Morland, in the year 1847. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 24. MS.

EILGUNDEL, &c. Plan of the Eilgundel and Mullangoor Circars of the Soubah of Hyderabad in the Nizam's Dominions. Surveyed in the year 1834. Signed, H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 26. MS.

BHEER. Map of the Bheer Circar, of the Soubah of Aurungabad and Nizam's Dominions. Surveyed A.D. 1835, by H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 19. MS.
*** Incomplete, for continuation, *see* plan of Daroor.

BHONAGHEER. Map of the Bhonagheer Circar, Nizam's Dominions. Surveyed in the years 1827, '28, under the superintendence of Capt. J. T. Webb. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 24. MS.

DARROOR, &c. Plan of the Darroor and a portion of the Bheer Circars, in the Dominions of His Highness the Nizam. Surveyed in 1836. Signed, H. Morland, Brevet Capt. in charge of Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 25. MS.

DEVERCONDAH, &c. Portions of the Devercondah, Nilgondah and Kummummett Circars. Surveyed in 1823–'24 by the Hyderabad Survey establishment under Capt. J. H. Crisp, Surveyor in the Nizam's Dominions. *Scale*, 4 *miles to* 1 *inch; size*, 20 *inches by* 25. MS.

DEVERCONDAH, &c. Plan of portion of country to the south-east of Hyderabad. Surveyed by the Assistant Surveyors in 1823. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 24. MS.
*** This map joins the foregoing on the south-west. *See* also the maps of Golcondah.

GAWILGURH. *See* Berar.

GOLCONDAH, &c. Plan of parts of the Golcondah and Devercondah Circars in His Highness the Nizam's Dominions. Surveyed by Messrs. Long, Britain. and Chamarett, Assistant Surveyors, in the year 1827. *Reduced in the*

office of the Surveyor-General of India from the original field sections, on a scale of 1 *mile to* 1 *inch, to a scale of* 4 *miles to* 1 *inch; size*, 18 *inches by* 19. Calcutta, 1838. MS.

GOLCONDAH, &c. Map of portions of the Circars of Golkondah, Koilkondah, Deyvurkondah, Medduk and Beder. Surveyed in the months of June, July, August, and September, 1821. *Scale*, 4 *miles to* 1 *inch; size*, 21 *inches by* 22. MS.

JAULNAH, &c. Maps of the Jaulnah and Pyton Circars, executed under the superintendence of Captain H. Morland, in the years 1842 and 1843. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 34. MS.

KOILCONDAH. Plan of part of the Koilcondah Circar, in His Highness the Nizam's Dominions, surveyed in 1829. *Reduced in office of the Surveyor-General of India from the original field sections on a scale of* 1 *mile to* 1 *inch, to a scale of* 4 *miles to* 1 *inch; size*, 11 *inches by* 14. MS.

*** The northern extremity barely. *See also* Golcondah and Kulburgah.

KOWLASS. Map of the Kowlass Circar on the Dominions of His Highness the Nizam. Surveyed in the year 1832, under the superintendence of Lieut. S. C. Macpherson. *Scale*, 4 *miles to* 1 *inch; size*, 20 *inches by* 23. MS.

KULBURGAH, &c. Plan of the Circars of Kulburgah, Kullianee, Nuldroog, Mulkaid, and Koilkonda. Surveyed, A.D. 1833. H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 22 *inches by* 32.

*** Only the part of Kulburgah, north of 17° 24′ N. lat.; all Kullianee; the part of Nuldroog on the north of Kullianee is wanting (*see* Nandair); only the end of Mulkhaid, north of 17° 24′; only the bare frontier of Koilkondah, between 17° 24′ and 17° 36′, N. lat.

KULLIANEE. *See* KULBURGAH.

KUMMUMMETT. Map of a portion of the Kummummett Circar in His Highness the Nizam's Dominions. Surveyed in the year 1837. H. Morland, Captain, in charge Hyderabad Survey. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 42. MS.

*** Wants the south-western part including the city of Kummummett. *See* Devercondah.

MAIKER. *See* BERAR.

MEDDUCK. Plan of the Medduck Circar in the Dominions of His Highness the Nizam. Executed in the years 1829 and 1830, under the superintendence of Lieut. H. Morland. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 25 MS.

See also GOLCONDAH.

MOODGUL and RAICHOOR. Map of the Circars of Moodgul and Raichoor, comprising that part of the Doab belonging to the Nizam; reduced from the original survey taken in 1817 and 1818, under Capt. James Garling. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 44. MS.

MULKAID. *See* KULBURGAH.

MULLANGOOR. *See* EILGUNDEL.

NANDAIR. Plan of the Nandair Circar, north of the Godavery River. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 38. (No date.) MS.

NANDAIR. Map of a portion of the Nandair Circar, South of the Godavery River. Surveyed in 1839. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 50. MS.

NILGONDAH. *See* DEVERCONDAH.

NULDROOG. *See* KULBURGAH.

NURNALLA. *See* BERAR.

PATREE. Map of the Patree Circar. Executed under the superintendence of Captain H. Morland in 1841 and 1842. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 22. MS.

PURRAINDA. Plan of the Purrainda Circar of the Soubah of Aurungabad and Nizam's Dominions. Surveyed, A.D. 1835. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 22. MS.

PYTON. *See* JAULNAH.

RAICHOOR. *See* MOODGUL.

SUGGUR. Map of the Suggur Circar, reduced from the map of that survey under Capt. Garling, S.G.O., Madras, 17th September 1821. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 20. MS.

WARUNGUL. Map of the Warungul Circar, in the Dominions of His Highness the Nizam. Surveyed in the years 1830 and 1831, under the superintendence of Lieut. H. Morland. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 30. MS.

4. *Continuous Drawings on Reduced Scales.*

Map of the PORTION of COUNTRY to the SOUTH-EAST of HYDERABAD. Surveyed by the Assistant Surveyors, 1822. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 21. MS.

Rough original SECTIONS of PARTS of the KOILKONDAH, GUNNAPOOR, MUSTUFFANAGUR, DEVERCOONDA, KOOLBURGA, MULKAID, YEDAGHERRY, and PANGULL CIRCARS. Surveyed in 1824, '25. *Scale,* 2 *miles to* 1 *inch. Sections* 1, 2, 3, 4, 5, 6. MSS.

Map of the NORTH-EAST PORTION of SOUTH BERAR. Compiled from sheets Nos. 1, 2, and 3, Hyderabad Topographical Survey. Seasons 1856, '57. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 20. MS.

A section including PORTIONS of the DEWANI MEHALS, and of the ASSIGNED DISTRICTS of SOUTH BERAR, in continuation northward of the foregoing as far as 20° 15′ N. lat. North of 20° N. lat. the work extends westward to 77° 45′. No title. Hyderabad Topographical Survey, 1857, '58. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 28. MS.

A section including PORTIONS of the DEWANI MEHALS, and of the ASSIGNED DISTRICTS of EAST and WEST BERAR, in continuation westward of No. 2 as far as 77° 15′ E. long. No title. Hyderabad Topographical Survey. Season 1858–59. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 21. MS.

Connecting slip of PORTIONS of E. and W. BERAR, in continuation of the foregoing, westward as far as 77° E. long., and northward as far as 21° 15′ N. lat. between 77° 30′ and 78° 15′ E. long. No. 2 Topographical Party, Hyderabad Survey. Season 1859–60. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 25. MS.

A section including PORTIONS of the ASSIGNED DISTRICTS of E. and W. BERAR, between 21° 5′ and 21° 45′ N. lats., and 76° 30′ and 77° 45′ E. longs. No. 2 Topographical Party, Hyderabad Survey. Season 1860–61. *Scale, 4 miles to 1 inch; size, 22 inches by 26.* MS.

A section of the DEWANI MEHALS in MAHORE and RAMGHEER, on the northern frontier of the Nizam's Territory, between 19° 30′ and 19° 45′ North lat. and 72° 30′ and 79° 15′ East long. Surveyed by No. 2 Topographical Party, Hyderabad Survey. Season 1861–62. No title. *Scale, 4 miles to 1 inch; size, 16 inches by 19.* MS.

A section of a PORTION of the DEWANI MEHALS, in continuation of the foregoing, to the southward as far as 19° 15′ N. lat. between 78° 30′ and 79° 15′ E. longs.; to the westward as far as 77° 45′ E. long. between 19° 20′ and 19° 45′ N. lats.; and to the eastward as far as the River Warda. No. 2 Topographical Party, Hyderabad Survey. Season 1862–63, and a portion of 1861–62. *Scale, 4 miles to 1 inch; size, 21 inches by 40.* MS.

A section of a PORTION of the DEWANI MEHALS, in continuation of the foregoing to the south-east as far as the Godavery and Warda Rivers, Hydrabad Topographical Survey.. Season 1863–64. *Scale, 4 miles to 1 inch; size, 24 inches by 26.* MS.

A section of the SIRONCHA TALUQ, in continuation of the foregoing to the south-east. Hydrabad Topographical Survey. Season 1864–65. *Scale, 4 miles to 1 inch; size, 15 inches by 15.* MS.

A section including a RE-SURVEY of a PORTION of the MAHORE CIRCAR, in continuation of No. 3 to the west as far as 77° 20′ E. long. between 19° 15′ and 19° 45′ N. lats. Hydrabad Topographical Survey. Season 1864–65. *Scale, 4 miles to 1 inch; size, 18 inches by 18.* MS.

A section including a PORTION of CHINUR TALUQ, RAMGHEER CIRCAR, DEWANI MEHALS, in continuation of No. 4 to the south as far as 18° 20′ N. lat., and a strip to the south-east bordering the Godavery River. Hydrabad Topographical Survey. Season 1864–65. *Scale, 4 miles to 1 inch; size, 22 inches by 28.* MS.

Chart of the TRIANGULATION of No. 2 TOPOGRAPHICAL PARTY, HYDRABAD SURVEY. Season 1864–65. *Scale, 4 miles to 1 inch; size, 23 inches by 32.*

Hyderabad Topographical Surveys.

Published Maps of the Circars, on the scale of 1 mile to 1 inch.

Map of the BAYTHULWADDY CIRCAR, surveyed in the years 1843 and 1844. *Size, 36 inches by 43; price 8s.*

Map of the BEDER CIRCAR, executed under the superintendence of Lieut. S. C. Macpherson, in the year 1832. *On 6 sheets; size of each, 30 inches by 22; price 12s.*

Map of the BHEER CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1835. *On 9 sheets; size of each, 22 inches by 30; price 18s.*

Map of the DAROOR CIRCAR, executed under the superintendence of Capt. H. Morland and Mr. Chamarett, in the year 1836. *On 6 sheets; size of each, 30 inches by 22; price 12s.*

Map of the DOWLUTABAD CIRCAR, executed under the superintendence of Major H. Morland, in the year 1847. *On 12 sheets; size of each, 30 inches by 22; price 16s.*

Map of the EILGUNDEL CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1834. *On 9 sheets; size of each, 22 inches by 30; price 18s.*

Map of the JAULNAH CIRCAR, executed under the superintendence of Capt. H. Morland, in the years 1842 and 1843. *On 9 sheets; size, 80 inches by 80; price 16s.*

Map of the KOWLASS CIRCAR, surveyed in the year 1832, under the superintendence of Lieut. S. C. Macpherson. *On 4 sheets; size of each, 27 inches by 35; price 12s.*

Map of the KULLIANNEE CIRCAR, surveyed in the year 1833. H. Du Verney, Lieut. and Surveyor, Sup. Hyd. Survey. *Size, 38 inches by 32; price 8s.*

Map of the MEDDUCK CIRCAR, execnted under the superintendence of Lieut. H. Morland, in the years 1820–30. *On 12 sheets; size of each, 22 inches by 30; price 24s.*

Map of the MULLANGOOR CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1834. *On 2 sheets; size of each, 30 inches by 22; price 4s.*

Map of the NANDAIR CIRCAR, executed under the superintendence of Captain H. Morland, in the years 1832–41. *On 31 sheets; size of each, 30 inches by 22; price 3l.*

Map of the NULDROOG CIRCAR, surveyed A.D. 1833. H. Du Verney, Lieut. and Surveyor, Sup. Hyd. Survey. *On 4 sheets; size, 75 inches by 60; price 12s.*

Map of the PATREE CIRCAR, executed under the superintendence of Capt. H. Morland, in the years 1841 and 1842. *On 4 sheets; size of each, 29 inches by 35; price 14s.*

Map of the PURRAINDA CIRCAR, executed under the superintendence of Lieut. H. Du Verney, in the year 1835. *On 4 sheets; size of each, 36 inches by 30; price 16s.*

*** The Purrainda Circar includes the Punch Mahall of the Collectorate of Sholapoor in Bombay Presidency.

Map of the PYTON CIRCAR, executed under the superintendence of Captain H. Morland, in the years 1842 and 1843. *Size, 29 inches by 34; price 6s.*

Map of the WARUNGUL CIRCAR, executed under the superintendence of Lieut. H. Morland, in the years 1830–31. *On 12 sheets; size of each, 30 inches by 22; price 24s.*

*** For maps of Basim, Gawilghur, Maiker, and Nurnulla Circars, which have been wholly or in part transferred to Berar, *see* pages 291, 292.

MEMOIRS, ANGLE BOOKS, &c. RELATING TO THE HYDERABAD SURVEY.

BASSIM CIRCAR. Position of villages in Pergunnahs Havalee, Baumnee, Nursee, Kullumnooree, Ounda, Chartannah, Damnee, Mungrool, and Hingolee. No. 122. Forty pages, post folio. MS.

Table of SECONDARY TRIANGLES of the BASSIM CIRCAR. No. 119. In 24 pages, post folio. MS.

BASSIM CIRCAR. ANGLE BOOK, 1844. Post 4to. MS.

Geographical MEMOIR of the BEDER CIRCAR. General Boundary Register of Villages. Route from Secunderad to Jaulnah, and Register of Triangles. Signed J. C. Macpherson, Lieut. in charge of the Hydrabad Survey, 1832. In 1 vol. post folio, stiff covers. MSS.

BHONAGHEER MEMOIR. 1829. Post folio, half bound. MS.

BHEER and DAROOR CIRCARS, Surveyed in 1836. Geographical Memoirs, &c. In 1 vol., post folio, half bound. MSS.

BHEER CIRCAR. Register of Villages in Purgunnahs Avalee, Bala-Ghat, Manoor, Givoroi, and Ambah Chuckla. 20 pages, folio. MS.

General Description and Construction of the Map of the BHEER and PURRAINDA CIRCARS. Surveyed in 1835. By Lieut. Du Vernet. Angle Book.

Geographical Memoir of the CIRCAR of PURRAINDA of the SOUBAH of AURUNGABAD. Description of its Boundary, roads, &c. Memoir of BHEER CIRCAR, and Description of its Boundary. Folio, half bound. MS.

DOWLUTABAD CIRCAR, Memoir, &c. In 1 vol., folio, boards.

Geographical Memoir of the EILGUNDEL CIRCAR of the SOOBAH of Hyderabad. Post folio, half bound. MS.

Geographical Memoir of the KOWLASS CIRCAR. 1830, '31. Post folio, in a stiff cover. MS.

General Account of the Construction of the Map and execution of the Survey of the CIRCARS of KULLIANNEE, NULDROOG, KULBURGAH, MULHAID, and KOILKONDA, of the Soobah of Beder. Memoir of the Survey of the Northern part of Kulburgah. Secondary Triangles of Nuldroog and Kulliannee Circars. Registers of Villages in Kulliannee, Kulburgah, Mulkaid, and Koilkonda. Folio, unbound. MS.

Memoir of the JAULNAH CIRCAR. By Andrew Chamarett, Sub-Assistant Surveyor. Post folio, unbound. MS.

Memoir of a PORTION of the KUMMUMMETT CIRCAR, 1837. With Register of Villages, Triangles, and Angle Books. Post folio, half bound. MS.

Geographical Memoir of the MEDDUCK CIRCAR. By Lieut. Morland. Folio, half bound. MS.

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2. HYDERABAD ASSIGNED DISTRICTS, or BERAR.

Including the six Districts of—1, Akola; 2, Amraoti; 3, Basim; 4, Buldana; 5, Ellichpur; 6, Wun.

GAZETTEER for the HAIDARABAD ASSIGNED DISTRICTS, commonly called Berar. 1870. Edited by A. C. Lyall, Commissioner of West Berar. Bombay, 1870. Royal 8vo., cloth.

BERAR. (Compiled at the Surveyor General's Office, Calcutta, 1870.) *Scale,* 16 *miles to* 1 *inch; size,* 14 *inches by* 18; *price* 1*s.*

BERAR. (Compiled in the Office of the Surveyor General of India, Calcutta, 1871.) *Scale,* 10 *miles to* 1 *inch; size,* 27 *inches by* 30; *price* 1*s.*

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Map of the NURNULLA CIRCAR,* exclusive of a Portion of the NORTH FRONTIER. Surveyed under the superintendence of Major H. Morland, Assistant Surveyor-General, in the years 1844, '45, '46. *Scale,* 1 *mile to* 1 *inch; on* 8 *sheets; size,* 100 *inches by* 68; *price* 16*s.*

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* Now divided between Akola and Buldana.

NURNULLA. Map of the NURNULLA CIRCAR, exclusive of a Portion of the NORTH FRONTIER, surveyed under the superintendence of Major H. Morland, Assistant Surveyor-General, in the years 1844, '45, '46. *Scale, 4 miles to 1 inch; size, 24 inches by 29.* MS.

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Map of the MAIKER CIRCAR,† executed under the superintendence of Mr. A. Chamarett, Sub-Assistant Surveyor, in the years 1843 and 1846. *Scale, 1 mile to 1 inch; on 6 sheets; size, 72 inches by 58; price 16s.*

The Original Drawing of MAIKER CIRCAR, on 53 small sections. *Size of each, 14 inches by 7.* MS.

MAIKER. Map of the MAIKER CIRCAR, surveyed in the years 1843 and '44. *Scale, 4 miles to 1 inch; size, 23 inches by 32.* MS.

Map of the GAWILGHUR CIRCAR,‡ exclusive of a Portion of the NORTH FRONTIER. Surveyed under the superintendence of Majors H. Morland and J. R. Brown, Assistants Surveyors-General, in the years 1845, '46, '49, and '50. *Scale, 1 mile to 1 inch; on 9 sheets; size, 102 inches by 90; price 16s.*

The Original Drawing of GAWILGHUR CIRCAR, on 72 small sections. *Size of each, 14 inches by 7.* MS.

GAWILGURH. Map of the GAWILGURH CIRCAR, exclusive of a Portion on the NORTH-WEST FRONTIER. Surveyed under the superintendence of Majors H. Morland and J. R. Brown, Assistants Surveyors-General, in the years 1845, '46, '49, '50. *Scale, 4 miles to 1 inch; size, 26 inches by 31.* MS.

See also, The Hyderabad Topographical Surveys in MS., seasons 1856, '57, '58, '59, '60, '61, '65, '66, for Surveys and Re-surveys of the Borders of Berar, on the one inch and reduced scales.

Also, The Indian Atlas, sheets 54, 55, 72, 73.

IX. MYSORE AND COORG.

Including three divisions or provinces; viz., Ashtagram, Nagar, and Nundydroog, subdivided into nine Districts.

Memoirs.

Memoirs of a GEOGRAPHICAL, STATISTICAL, and HISTORICAL SURVEY of the MYSORE DOMINIONS, commenced on the partition of Mysore in 1799. Executed and compiled under the direction of C. Mackenzie Major, superintendent of the survey of Mysore. Fort St. George, 22nd October 1808. In five vols., folio, half-bound. MSS.

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* Now divided between Berar and Hyderabad.
† Now divided between Basim in Berar and Hyderabad.
‡ Now divided between Amraoti and Ellichpur.

CONTENTS:

Vol. 1. Southern Provinces of Mysore, with four maps, according to the title, but it should be 10 Taluks in the south of Astagram Division; also the Mysore Red Book, an account of the Mysore family to 1712; accounts of elephants, teak forests, and agriculture; the Coorg boundary, &c.

Vol. 2. Measurement of Nagmungulum Base Line in 1803; seven Taluks in Astagram, two in Bangalore, and one in Chittledroog Division.

Vol. 3. Central Provinces of Mysore, according to title; actually 30 old purgunnahs or taluks in Bangalore, Chittledroog, Hassan, Cuddoor, and Toomcoor Districts.

Vol. 4. Eastern Districts of Mysore, according to title; actually 14 old purgunnahs in Bangalore, Colar, Chittledroog, and Toomcoor.

Vol. 5. Province of Chittledroog, with a map of that country. The old area.

A Collection of MEMOIRS and PAPERS containing a body of materials chronologically arranged, designed for the illustration of the general geography of the Peninsula or South of India, including the several provinces from the mouths of the Nerbudda and Mahanuddy Rivers to the parallels of Cape Comorin and of Dunder Head in Ceylon, with the coasts of Coromandel, Malabar, Canara, and Conkan, and the Island of Ceylon, comprehending the several Native Hindoo and Mahommedan States of Dekan, of Mysore &c., of Travancore and Candia, &c., with the provinces belonging to the English East India Company. (Mackenzie MSS.) In one vol. folio, half-bound.

State and Results of the SURVEY of MYSORE in a Geographical, Statistical, and Historical view to 1st July 1807. With a map explanatory. For the Right Hon. Lord William Cavendish Bentinck, Governor, &c., &c., &c. of Fort St. George. Folio, 15 pages, unbound. MS.

⁂ "Abstracted from the memoirs and journals of the survey to give a concise view of the design."

General Maps.

To the Right Hon. Richard, Earl of Mornington, K. P. Governor-General, &c., &c., this—

Map of the DOMINIONS of the late TIPPOO SULTAN, exhibiting their partition among the allied powers and the Rajah of Mysore, according to the treaty of Mysore, concluded 22nd June 1799. By Colin Mackenzie, Captain, Engineers, Seringapatam, 8th July 1799. *Scale*, 25 *miles to* 1 *inch;* with a schedule of the partition of the late Tippoo Sultan's territories, showing the amount of the revenue, with the shares respectively allotted to the allies and to the Rajah of Mysore. *Size*, 38 *inches by* 22. MS.

FOREST MAP of MYSORE. 1871. *Scale*, 8 *miles to* 1 *inch; size*, 33 *inches by* 38.

The SOUTH-WESTERN PARTS of MYSORE. Surveyed in 1803, '4, '5. A view of the progress of the Survey. *Scale*, 12 *miles to* 1 *inch; size*, 19 *inches by* 16. MS.

Map of MYSORE, exhibiting the present Civil Divisions, with the roads existing, in progress, and proposed, travellers' bungalows, &c. No date. *Scale*, 8 *miles to* 1 *inch; size*, 32 *inches by* 38.

MACKENZIE'S SURVEYS.

In six parts with an Index.

Index to a SERIES of MAPS constructed from the results of the survey of Mysore and Canara, designed as the foundation of an atlas of the provinces dependent on the Presidency of Fort St. George. October 17th, 1808. Signed, Colin Mackenzie, Superintendent, Mysore Survey. *Scale*, 24 *miles to* 1 *inch; size*, 21 *inches by* 32. MS.

Part I.

A Map of the SOUTH-WESTERN (now Ashtagram) DIVISION of MYSORE, lying on both sides of the Cauvery River, and comprehending the purgunnahs following (viz., a list of 23, with the number of inhabited and ruined villages, and the areas of the hills and plains in each purgunnah; also a reference to the schedule of the treaty of Mysore of June, 1799). Dated, Fort St. George, 1st October 1808; and signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale*, 2 *miles to* 1 *inch; size*, 50 *inches by* 63. MS.

Part II.

Map of the CENTRAL DIVISION (now parts of Ashtagram, Nagar, and Nundydroog) of MYSORE, comprehending the purgunnahs following (viz., a list of 44, with the number of inhabited and ruined villages, and the areas of the hills and plains in each purgunnah). Dated, Fort George, 1st October 1808; and signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale*, 2 *miles to* 1 *inch; size*, 50 *inches by* 70. MS.

Part III.

Map of the NORTHERN DIVISION of the RAJAH of MYSORE'S TERRITORIES, comprehending nearly the whole of the districts of the ancient province of Chittel Droog, from actual survey in 1800 and 1801. With a list of purgunnahs, giving the number of inhabited and ruined villages, houses, families, forts, and square miles in each purgunnah. By C. Mackenzie, Superintendent of the Mysore Survey, 4th October 1808. *Scale*, 2 *miles to* 1 *inch; size*, 41 *inches by* 59. MS.

Parts IV., V.

Map of LOWER CANARA, SOUTH DIVISION, from actual survey in 1806–1807. Executed under the direction of C. Mackenzie, Superintendent of the Mysore Survey, 30th July 1808. *Scale*, 2 *miles to* 1 *inch; in two parts; size*, 9 *feet by* 3. MS.

Part VI.

Plan of the PROVINCE of BEDENOOR (Nagar) above the Ghauts, ceded to the Rajah of Mysore, by the treaty or partition in 1799; from actual survey in 1805 and 1806. Comprehending the purgunnahs (here follows a list of 20 purgunnahs, with the number of inhabited and ruined villages, and the area of the hills and plains in each purgunnah). Dated, Fort St. George, 1st October 1805; signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale*, 2 *miles to* 1 *inch; size*, 58 *inches by* 51. MS.

Road Maps.

MYSORE SURVEY, C. No. I. The roads from near Madras, by the Pedanaig-droog Pass, to Bangalore, and thence by Sera and Chittledroog to the Toombudra River. *Scale*, 2 *miles to* 1 *inch;* on 10 sheets, with a title and contents in a cover; *size*, 19 *inches by* 12. MS.

MYSORE SURVEY, C. No. 2. The roads from Bangalore to Needgul, Shalloor, and Sera; and from Chittledroog to Hurryhurr. By Thos. Arthur, Assistant, Mysore Survey, 30th June 1800. *Scale*, 2 *miles to* 1 *inch;* on 5 sheets, with a title and contents in a cover; *size*, 19 *inches by* 12. MS.

Survey of the CROSS ROADS between HURRYHUR, HONELLY, and BUSWAPATAM, and part of the Hurryhur Purgunnah (Shemoga district); executed from 17th July to 1st September 1800 by T. Arthur, Assistant on the Mysore Survey. *Scale*, 1 *mile to* 1 *inch; size*, 40 *inches by* 25. MS.

A Survey of some of the PRINCIPAL ROADS northward of BANGALORE, deduced from the data of Major Lambton's Trigonometrical Survey. By J. Colebrooke, Captain, Corps of Guides. 20th October 1801. *Scale*, 2 *miles to* 1 *inch; size*, 43 *inches by* 20. MS.

I. ASHTAGRAM DIVISION.

Including the Districts of—1, Coorg; 2, Hassan; 3, Mysore.

1. *Coorg District (British).*

Reduction of the Map of the PRINCIPALITY of KUDUGU (Coorg) taken in the years 1815, '16, and '17, by Lieut. P. E. Connor, S.G.O. 1820. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 32. MS.

Memoir of the SURVEY of CODUGU, commonly written Koorg, by Lieut. Conner, Surveyor, January 1820. In 2 vols., folio, half bound. MS.

2. *Hassan District.*

Map of BULLUM. By J. Colebrooke, Captain of Guides, 4th April 1802. *Scale*, 2 *miles to* 1 *inch; size*, 29 *inches by* 19. MS.
*** This is now Manjarabad Taluk.

Original SURVEY of NAGAMUNGALUM by Mr. Morrison, 1803. *Size*, 29 *inches by* 25. MS.

3. *Mysore District.*

Survey of the COUNTRY irrigated from the HANGOOD CUTTA on the LUTCHMUN TREET (Mysore District, Ashtagram Province), showing the present state of the watercourses, &c.; prepared to accompany the report of the Supt. of Maramut, 1st September 1836. *Size*, 26 *inches by* 32. MS.

Statistic and Geographic Map of the Purgunnahs of HURDANHULLY and TURKANAMBY, surveyed in 1804. *Scale*, 2 *miles to* 1 *inch; size*, 25 *inches by* 27. MS.

Sections through the Fort of SERINGAPATAM. *Scale*, 20 *feet to* 1 *inch; size*, 21 *inches by* 13 *yards*. MS.

II. NAGAR DIVISION.

Including the Districts of—1, Chitaldroog; 2. Kadur; 3, Shimoga.

2. *Kadur District.*

Plan of AGUMBY GHAUT (Kadur District), with notes. Maramut Office in Mysore, 1840. *Scale,* $15\frac{1}{2}$ *inches to* 1 *mile; size,* 22 *inches by* 30. MS.

3. *Shimoga District.*

Plan of HOLA HONOOR, a district of Bednore (Nagar), with its villages and boundaries, &c., according to the partition of 1799. (Now in Shemoga District.) Surveyed in 1805, under the direction of C. Mackenzie, Supt. of the Mysore Survey. *Scale,* 1 *mile to* 1 *inch size,* 21 *inches by* 24. MS.

Plan of the PURGUNNAH of SHEE MOGGA, a district of Bedenore, with its boundaries, villages, &c. Surveyed in September 1805. C. Mackenzie, Supt. Mysore Survey. *Scale,* 1 *mile to* 1 *inch; size,* 29 *inches by* 34. MS.

MYSORE SURVEY, A. No. 2. The frontier of the Rajah of Mysore's Territories, with the Mharattas and the Nizam, extending from near Honelly to Hoolall, including part of the course of the Toombuddra River, the Purgunnah of Hurryhurr, and part of Honelly, Baswapatam, and Harponelly. Surveyed by Capt. C. Mackenzie, and Assistants, from 1st July to 1st Sept., 1801. Signed, C. Mackenzie, Capt. Supt. Mysore Survey. Now part of Sheemoga District in Mysore, and of Bellary in Madras. *Scale,* 1 *mile to* 1 *inch; size,* 27 *inches by* 53. MS.

III. NUNDYDROOG DIVISION.

Including the Districts of—1, Bangalore; 2, Kolar; 3, Tumkur.

Statistic and Geographic Plan of BALLAPORE and DEONELLY. (Taluks in Bangalore and Colar Districts). By Mr. Mather. *Scale,* 1 *mile to* 1 *inch; size,* 42 *inches by* 35. MS.

1. *Bangalore District.*

Plan of the CANTONMENT of BANGALORE. *Scale,* 300 *feet to* 1 *inch; size,* 34 *inches by* 28. MS.

Survey of the BOUNDARIES of the PURGUNNAH of BANGALORE, by James Ross, from 4th April to 5th May 1800, under the direction of C. Mackenzie, Capt. Supt. Mysore Survey. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 21. MS.

Statistic and Geographic Plan of the PURGUNNAH of BANGALORE, according to the partition. Surveyed in 1806, from September 8th to October 16th, the geometrical survey by Michael Dunnigan, &c. C. Mackenzie, Superintendent Deputy Surveyor-General's Office, Madras, 1832. *Scale,* 1 *mile to* 1 *inch; size,* 48 *inches by* 43. MS.

BANGALORE BARRACKS, &c., 1873:—

1. Block Plan of Fort of Bangalore, on 1 sheet.
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3. Block Plan of Royal Artillery Barracks, on 1 sheet.
4. Plan of „ „ on 1 sheet.

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9. Block Plan of Barracks for one regiment of Infantry at Bangalore, on 1 sheet.
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11. Block Plan of Bakery and Lower Infantry Square at Bangalore, on 1 sheet.
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14. Plan of Race Course Barrack for one regiment of Cavalry and two batteries of Artillery at Bangalore, on 15 sheets.

BANGALORE BARRACKS. Plans and Sections of proposed improvements and additions to be made to the present Dragoon Barracks at Bangalore, to adapt it for a regiment of European Infantry. *Size*, 27 *inches by* 69. MS.

BANGALORE BARRACKS, &c. Plan and Section of Quarters proposed to be built for 50 married men and 2 married serjeants of European Regiments at Bangalore. 1843. *Size*, 10 *inches by* 33. MS.

Plan and Section of a row of 50 Married Privates' Quarters, with out-houses and gardens, proposed to be erected in the Dragoon Barrack Enclosure at BANGALORE. 1855. *Size*, 13 *inches by* 48. On tracing cloth. MS.

No. 2. Plan, Elevations, and Section of a Hospital proposed to be erected at BANGALORE. *Size*, 26 *inches by* 39. MS.

No. 4. Plan and Sections of a Riding School proposed to be erected at BANGALORE. 1844. *Size*, 21 *inches by* 29. MS.

No. 7. Plan and Sections and Elevations of one of the Dragoon Barrack Ranges at BANGALORE, showing the proposed improvements, &c. 1855. *Size*, 24 *inches by* 32. On tracing cloth. MS.

No. 11. Plan, Elevations, and Sections of a Church proposed to be erected at BANGALORE. 1844. *Size*, 21 *inches by* 29. MS.

2. *Kolar District.*

Map of the PURGUNNAH of COLAR in MYSORE, according to the partition of 1799. Surveyed by John Warren, Lieutenant 33rd Regiment. *Scale*, 1 *mile to* 1 *inch; size*, 62 *inches by* 48. MS.

Statistic and Geographic Plan of the PURGUNNA of LITTLE BALLAPOOR or NUNDYGOODY in MYSORE. Surveyed in 1802 by John Mather. *Scale*, 1 *mile to* 1 *inch; size*, 37 *inches by* 48. MS.

3. *Tumkur District.*

Statistic and Geographic Map of the PURGUNNAH of SERA. Surveyed in 1806 by J. Summers and Wm. Lantwar; C. Mackenzie, Superintendent. *Scale*, 1 *mile to* 1 *inch; size*, 36 *inches by* 45. MS.

X. ASSAM.

A Chief Commissionership, including the Districts of—1, Cachar; 2, Sylhet; 3, Goalpara; 4, Kamrup (Gauhati); 5, Darrang; 6, Nowgong; 7, Sibsagar; 8, Lakhimpur; 9, Garo Hills; 10, Khasi and Jaintia Hills; 11, Naga Hills.*

General Maps.

Map of the COUNTRIES lying between 21° and 30° NORTH LATITUDE and 90½° and 99° EAST LONGITUDE, showing the Sources of the Irawadi River and the Eastern Branches of the Brahmaputra, comprising Assam and Munipoor, the Hilly Districts of the Singphos, part of Sham, and of the Chinese Provinces of Yunyan and Thibet. (1828. By Lieut. R. Wilcox, B.N.I.) *Scale*, 16 *miles to* 1 *inch; size*, 40 *inches by* 38. MS.

The same Map reduced to a scale of 32 miles to 1 inch; *size*, 26 *inches by* 20.

Map of the COUNTRIES lying between 21½° and 29½° NORTH LATITUDE and 90° and 98° EAST LONGITUDE, showing the Sources of the Irawadi River and the Eastern Branches of the Brahmaputra, comprising Assam, Muneepore, the Hilly Districts of the Singphos, part of the Sham, and of the Chinese Provinces of Yunan and Thibet. By Lieut. R. Wilcox, B.N.I. 1828. *Scale*, 16 *miles to* 1 *inch; size*, 36 *inches by* 34.

Topography of ASSAM. By John M'Cosh, Calcutta. 1837. 8vo. Sewed.

Map of UPPER ASSAM, comprising the Districts of Joorhat, Luckimpore, and Sudiya, showing the Tea Tracts discovered by Mr. C. A. Bruce, Superintendent of Tea Culture to the Honble. East India Company in Assam; also the Roads proposed to be opened from Sudiya to the Booree Dihing. By J. B. Tassin. 1839. *Scale*, 4 *miles to* 1 *inch; size*, 36 *inches by* 60. Mounted in a case.

Map of the TEA DISTRICTS of ASSAM. Compiled in the office of Col. Henry Hopkinson, Commissioner and Governor-General's Agent. North-eastern Frontier. 1863. *Scale*, 4 *miles to* 1 *inch; on* 5 *sheets; size of each*, 40 *inches by* 25.

Map shewing all the TEA LOCALITIES worked by the Assam Company in the Jorehut and Muttuck Districts of Upper Assam. Compiled from the latest surveys. 1843. Asiatic Litho. Press, Calcutta. *Size*, 26 *inches by* 34. Folded in a case.

Geographical Sketch of ASSAM, by Dr. Wade, in 1798. The original and a copy. Fcap. MSS.

The PROVINCE of ASSAM, constituting the Chief Commissionership under Orders of the Government of India in the Home Department, No. 380, dated 6th February 1874. With the adjoining districts and Native States, 1874. *Scale*, 8 *miles to* 1 *inch; on* 6½ *sheets*.

Northern Frontier. Duffla Expedition.

Part of the NORTHERN FRONTIER of ASSAM, comprising portions of the Districts Darrang, Lakimpur, and Sibsagar. Prepared for the use of the Duffla Expedition, in the Office of the Surveyor General of India, Calcutta. September 1874. *Scale*, 4 *miles to* 1 *inch; size*, 57 *inches by* 36.

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* Cachar and Sylhet are in the Surma valley; Darrang, Goalpara, Kamrup, Lakhimpur, Nowgong, and Sibsagar are in the Brahmaputra valley; and between the two valleys are the Garo, Khasi, Jaintia, and Naga Hills.

Part of the DUFLA HILLS, on the Northern Frontier of Assam. All north of the boundary line surveyed by Major H. H. Godwin Austen, B.S.C., F.R.G.S., &c., assisted by Lieut. H. J. Harman, R.E., Mr. M. J. Ogle, and Mr. W. Robert.

Burmese Frontier.

Selection of Papers regarding the Hill Tracts between ASSAM and BURMAH, and on the UPPER BRAHMAPUTRA. 1873. 8vo., stiff cover.

CONTENTS:—

1. Wilcox's Memoir of a survey of Assam and frontiers in 1825–28.
2. Pemberton's Abstract of Hannay's Journal of route from Ava to Hookoong in 1835–36.
3. Griffith's trip to the Mishmi Mts. in 1836.
4. Griffith's journey from Upper Assam towards Hookhoom, Ava, and Rangoon in 1836.
5. Bayfield's journey from Ava to frontier of Assam and back in 1836–37.
6. Jenkins' trip across the Patkoi Mts. in 1869–70.
7. Jenkins' notes on Burmese route from Assam to Hookoong.
8. Veitch's visit to the Singpho and Naga frontier of Luckimpore in 1842.
9. Brodie's dealings with the Nagas on the Seebsaugor frontier in 1841–46.
10. Peal's visit to the Hill tribes south of Seebsaugor.

1. *Cachar District.*

Six Manuscript Maps of CACHAR. 1831 to 1833. Folded and half-bound in one volume, folio.

CONTENTS:—

1. A sketch of Cachar, compiled from a native map, with a list of heights from Lieut. Fisher's Surveys. Survey Office, Lower Assam, May 1831. *Scale,* 8 *miles to* 1 *inch; size,* 28 *inches by* 21. MS.
2. Sketch Map showing a part of the Eastern Boundary of Cachar, and the form proposed to be granted to Gumbheer Sing. (Surveyed by J. Jenkins, Capt. 47th.) *Scale,* 4 *miles to* 1 *inch; size,* 16 *inches by* 21. MS.
3. Map of Southern Cachar, compiled from various surveys and reports, by Lieut. J. Fisher, D.A.Q.M.G. *Scale,* 2 *miles to* 1 *inch; size,* 38 *inches by* 38. MS.
4. Sketch of country between Kachar and Muneepoor, with three routes to Muneepoor, and the boundary between Kachar and Muneepoor proposed by Lieut. Boileau Pemberton, July 1832. *Scale,* 4 *miles to* 1 *inch; size,* 22 *inches by* 28. MS.
5. Sketch of proposed line of road from Sylhet to Banshandee in Kachar, enlarged from Lieut. Fisher's Survey, by Lieut. R. Boileau Pemberton. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 36. MS.
6. Route of the division under the command of Brigadier-General J. Shuldham, from Sylhet to the right bank of the Jiree Nuddee. Surveyed by Lieuts. B. Browne and R. B. Pemberton. *Scale,* 2 *miles to* 1 *inch; size,* 44 *inches by* 21. MS.

Revenue Survey Map of the DISTRICT of CACHAR. Surveyed in 1841-'42, by Lieut. H. Thuillier, Revenue Surveyor. *Scale,* 1 *mile to* 1 *inch; size,* 36 *inches by* 43.

DISTRICT of CACHAR. 1864 to '68. Lower Provinces Revenue Survey. Surveyed by Mr. N. T. Davey, Deputy Superintendent, and assistants. *Scale,* 1 *mile to* 1 *inch; on* 7 *sheets; size of each,* 24 *inches by* 34; *with a separate Index; price* 14*s.*

DISTRICT CACHAR. 1865 to '68. *Scale, 4 miles to 1 inch; size, 27 inches by 20; price 4s.*

CIVIL STATION and CANTONMENT of SILCHAR. District Cachar, surveyed on January 1867. *Scale, 12 inches to 1 mile; on 2 sheets; size complete, 40 inches by 32; price 4s.*

Lushai Expedition.

Photographs of Sketches in LUSHAI COUNTRY. To accompany the Narrative Report of No. 6 Topographical Party, Khasia and Garo Hills Survey, under charge of Captain W. F. Badgley, B.S.C., Deputy Supt. of Topog. Surveys attached to the Cachar Column of the Lushai Expeditionary Force. Nine plates by Lieut. R. G. Woodthorpe, R.E.; six plates by Lieut. E. P. Leach, R.E. Fcap.

2. *Sylhet District.*

Memoir of a Survey of the SOUTHERN PART of SILHET made in the years 1821 and 1822, by order of His Excellency the Marquis of Hastings, K.G. By Lieut. Thomas Fisher, 24th Regiment, N.I., Surveyor. MS. 47 *pages foolscap folio.*

Map of part of the DISTRICT of SILHET, made in the years 1821, 1822. By order of His Excellency the Most Noble the Marquis of Hastings, K.G., G.C.B., &c., &c., Governor-General of India, by Lieut. T. Fisher, 24th Regiment, N.I. *Scale, 4 miles to 1 inch; size, 28 inches by 35.* MS.

Sketch of that part of SILHET, which borders on CACHAR and TIPPERAH. By Lieut. T. Fisher, 24th Regiment, N.I. 1822. *Scale, 4 miles to 1 inch; size, 21 inches by 30.* MS.

ROUTE of the DIVISION under the Command of BRIGADIER GENERAL T. SHULDAM, from SYLHET to the right bank of the JIREE NUDDEE. Surveyed by Lieut. B. Browne and Lieut. R. Boileau Pemberton. 1825. *Scale, 2 miles to 1 inch; size, 48 inches by 22.* MS.

Original Map of SILHET, for the Hon. Court of Directors. Surveyed by Lieut. T. Fisher, 48th Regiment, N.I., Surveyor. 1828. *Scale, 4 miles to 1 inch; on 2 sheets; size of each, 29 inches by 25.* MS.

Map of the ROUTE from SOWARA to SYLHET. Surveyed by Lieut. T. Fisher. 1829. *Scale, 16 miles to 1 inch; size, 13 inches by 12.* MS.

Map of ROUTES between SILHET and SOWARA. Surveyed and drawn by Lieut. T. Fisher. 1829. *Scale, 4 miles to 1 inch; size, 24 inches by 35.* MS.

Lower Provinces Revenue Survey, DISTRICT SYLHET. Surveyed in 1838 to '40, by Lieut. H. L. Thuillier, Revenue Surveyor, and in 1865, '66, by N. T. Davey, Esq., Revenue Surveyor and Assistants. *Scale, 1 inch to 1 mile: on 11 sheets, with an Index Map separate; size of each sheet, 40 inches by 30; price 33s.*

DISTRICT SYLHET. 1860 to '65. *Scale, 4 miles to 1 inch; size, 26 inches by 34; price 4s.*

Also a photographed copy.

Revenue Survey Map of the DISTRICT of JYNTEAH, attached to ZILLAH SYLHET. Surveyed by Lieut. H. L. Thuillier, Bengal Artillery, in 1838, '39, and '40. *Scale*, 1 *mile to* 1 *inch; size*, 27 *inches by* 49.

Map of the TOWN of SYLHET. Surveyed in 1863. Under the superintendence of Colonel H. L. Thuillier, F.R.S., Surveyor General, by N. T. Davey, Esq., Deputy Superintendent of Survey, and Assistants. *Scale*, 12 *inches to* 1 *mile; size*, 27 *inches by* 40; *price* 2*s*.

3. *Goalpara District.*

DISTRICT GOALPARA, Lower Assam (transferred to Cooch-Behar Division in 1867–8). 1849 to 1854. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 40. MS.

The same, lithographed and published. *Price* 4*s*.

EAST DOOARS, District GOALPARA. 1868 to '69. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 34; *price* 4*s*.

4. *Kamrup District.*

Survey of GWAHATTY in Assam, and of the adjacent country, showing the situations of the different Chokies intended for the protection of the place. By Ensign Thomas Wood, Bengal Engineers, Surveyor with Capt. Welsh's Detachment. 1794. *Scale*, $1\frac{1}{8}$ *mile to* 1 *inch; size*, 20 *inches by* 24. MS.



STATION of GOWHATTY and its ENVIRONS, District Kamroop. 1868–69. *Scale*, 6 *inches to* 1 *mile; size*, 22 *inches by* 30.

LOWER PROVINCES REVENUE SURVEY, District Kamroop. *Scale*, 1 *mile to* 1 *inch; on* 14 *sheets, of which sheets* 1 *to* 10 *are published; size of each*, 26 *inches by* 36.

5. *Darrang District.*

Route from GWAHATTY to KOLLTAH KOOSY, on the borders of Bootan, as likewise along part of the boundary of Assam and Bootan. Surveyed in February 1793. By Ensign Wood, Bengal Engineers, Surveyor with Capt. Welsh's Detachment. *Scale*, $1\frac{1}{8}$ *inch to* 1 *mile; size*, 20 *inches by* 48. MS.

Map of DURUNG and CHATGAREE (North of the Brahmaputra), in Assam, by Lieut. R. G. Bedingfield, Officiating Revenue Surveyor. 1828. *Scale*, 4 *miles to* 1 *inch; size*, 16 *inches by* 24. MS.

CANTONMENT, CIVIL STATION, and ENVIRONS of TEZPOOR, Mouzah Mahaboirubi, District Durrung, Assam. Surveyed in Season 1871–72. *Scale*, 6 *inches to* 1 *mile; size*, 21 *inches by* 30.

6. *Nowgong District.*

DISTRICT NOWGONG, Central Assam. 1835, '36, and '37. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 40; *price* 2*s*.

DISTRICT NOWGONG. Assam Revenue Survey. *Scale*, 1 *mile to* 1 *inch; sheets*, 5, 9, 12, 13; *size of each*, 40 *inches by* 27.

DISTRICT NOWGONG, 1869–72. Assam Revenue Survey. *Scale,* 1 *mile to* 1 *inch. To be completed in* 13 *sheets, of which Nos.* 1, 2, 3, 4, 7, 8, 11, *are published; size of each,* 40 *inches by* 27. *With an Index Map; size,* 40 *inches by* 27.

7. *Sibsagar District.*

Map of the DISTRICT of SEEBPOOR (or Seebsagur), Upper Assam. Surveyed by Mr. J. Thornton, Revenue Surveyor, in 1839, '40, '41, '42. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 32; *price* 4*s.*

DISTRICT SEEBSAUGUR, 1862 to '72. *Scale,* 1 *mile to* 1 *inch; on* 11 *sheets; size of each,* 40 *inches by* 27.

DEBROOGURH, CANTONMENT, CIVIL STATION, and ENVIRONS. 1867–68. *Scale,* 6 *inches to* 1 *mile; size,* 22 *inches by* 30.

SUDDIA CANTONMENT and ENVIRONS. 1869–70. *Scale,* 6 *inches to* 1 *mile; size,* 26 *inches by* 30.

8. *Lakhimpur District.*

Map of NORTH-EAST ASSAM, showing the Positions of the Military Posts on the Singpho Frontier. 1843. *Scale,* 8 *miles to* 1 *inch; size,* 22 *inches by* 28. MS.

Sketch of the COUNTRY eastward of RUNGPORE, in Assam. By Lieut. J. B. Neufville, D.A.Q.M.G. 1825. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 28. MS.

DISTRICT LUCKIMPOOR, 1866–73. *Scale,* 1 *mile to* 1 *inch; on* 15 *sheets, with an Index Map; size of each,* 27 *inches by* 40.

9. *Garo Hills District.* *See* Khasi and Jaintia District.

FIELD BOOK of the SURVEY of the GARROW HILLS and the country between them and the Berhampooter, for the months of October, November, December 1817, and January 1818. By Lieut. J. A. Schulch, Surveyor. *Foolscap folio half bound.* MS.

10. *Khasi and Jaintia Hills District.*

COSSYAH and GARROW HILLS (Khasia and Garo) Topographical Survey. (NOTE.—Cossyah is in Assam Province, Garrow is in Cooch-Behar Province.) Photozincographed edition. *Scale,* 1 *mile to* 1 *inch; to be completed in* 37 *sheets; size of each,* 24 *inches by* 36; *price* 2*s. each.* The following are published:—

- Nos. 11, part of 12 and 13 on one sheet, 15, 16, 17, 21, 22. Also the second edition of 16 and 17 on one sheet.
- The same reduced to a scale of 2 miles to 1 inch. Nos. 7, 8, 9, 10, 11, 12, 14, 16 and 17 on one sheet, 18, 19, 23, 24, 25, 26, 27, and 28 on one sheet, 32, 33 and 34 on one sheet, 37, 38, 39.
- Index to the sheets of the Cossyah and Garrow Hills Survey. *Scale,* 32 *miles to* 1 *inch; size,* 16 *inches by* 24; *price* 6*d.*

Sketch of the COSSYA INDEPENDENT ESTATES, constructed from Surveys and other information, by Lieut. T. Fisher, D.A.Q.M.G. 1829. *Scale,* 8 *miles to* 1 *inch; size,* 23 *inches by* 18. MS.

Survey of Part of the COSSYA HILLS (from Cherra Poonjel, South-eastward to the Butrai or Walingtia River), to illustrate a Report, &c., by 2nd Lieut. H. Yule, Engineers. 1843. *Scale,* 2,000 *feet to* 1 *inch; size,* 28 *inches by* 23. Accompanied by 17 plates.

Plates 2 to 4. Vertical Sections.
„ 5. Sketch of Part of the South Frontier of the Cossya Hills.
„ 6 to 18. Sections of widened Planes, Tramway, &c.

11. *Naga Hills District.*

Report on the Survey of the Boundary between MUNIPUR and the NAGA HILLS Tract, with a rough preliminary Map of portions of the Naga and MUNIPUR HILLS surveyed in the Field Season 1872–73, by Major H. H. Godwin-Austen, Deputy Superintendent of Survey, &c., to accompany Narrative Report of 1872–73. *Size,* 30 *inches by* 24. Fcp. folio, sewed.

Report of the Survey of the Boundary between MUNIPUR and the NAGA HILLS Tract. By Major H. H. Godwin-Austen, F.R.G.S., &c. Calcutta, 1873. Fcap., sewed, 12 pages and map.

XI. MUNIPUR AGENCY.

Map of the TERRITORY of MUNEEPOOR, with part of the Kubo Valley and Burmese Frontier. By Capt. R. Boileau Pemberton, 1834. *Scale,* 4 *miles to* 1 *inch; size,* 47 *inches by* 36. MS.

The same, lithographed by J. B. Tassin, Calcutta.

Map of ROUTES surveyed in SYLHET and MUNIPOOR, between Banskandee and the Ningthee or Kyan Duan River. By Lieut. R. B. Pemberton, 44th Regiment, N. I., Surveyor. (1827.) *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 34. MS.

FIELD BOOK of a SURVEY in MUNEEPOOR, by Lieut. R. B. Pemberton. From 6th December 1827 to 6th December 1828. Foolscap folio half-bound. MS.

MEMOIRS and JOURNALS of SURVEYS in MUNNIPOOR, by Lieut. R. B. Pemberton, 44th Regiment, N. I. 1827. Foolscap folio, half-bound. MS.

Map of the VALLEY of MUNEEPOOR, and SURROUNDING COUNTRY, by Lieut. R. Boileau Pemberton, Surveyor, 44th Regiment, B. N. I. (1827.) *Scale,* 4 *miles to* 1 *inch; size,* 32 *inches by* 23. MS.

Route from MUNEEPOOR to the NINGTHEE or KYENDUEN RIVER, by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 21. MS.

A Geographical Sketch of the KUBO VALLEY, by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. 1829. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 22. MS.

Statistical Account of the Native State of MANIPUR and the HILL TERRITORY under its rule. By R. Brown, F.R.C.S.E. 1873. Calcutta, 1874. 8vo., stiff cover.

XII. BRITISH BURMA.

Including three Divisions, viz.—Arakan, Pegu, Tenasserim.

General Maps.

This New Map of BURMA and REGIONS ADJACENT is inscribed to Sir Roderick I. Murchison, P.R.G.S., &c., &c. &c., by H. Yule, Capt. Beng. Eng., London, 1857. *Scale*, 32 *miles to* 1 *inch; size*, 36 *inches by* 26; *price* 4*s.*

A Sketch Map of the SOUTHERN PART of BURMAH PROPER, with the adjoining British Provinces of Arracan and Tenasserim, extending from Chittagong to Tenasserim. Compiled in the Surveyor General's Office from existing materials, including a recent sketch constructed by Mr. A. Hobday, under the superintendence of Captain Henry Hopkinson. March 1852. *Scale*, 16 *miles to* 1 *inch; size*, 48 *inches by* 38.

*** With a table of the estimated road distances, between some of the principal places in the Burmese Empire.

CHINA ROUTE SURVEY, by Captains J. M. Williams and C. H. Luard, in 4 sheets.

1. Map of the Country between Rangoon and the British Frontier, showing the Routes examined in 1867. *Scale*, 8 *miles to* 1 *inch; size*, 34 *inches by* 26.
2. Vertical section of the Shwaygeen Route. *Scale*, 1 *mile to* 1 *inch.*
3. Cross section of the Sittang River.
4. Cross sections of the Yonzaleen and Beeling Rivers.

The CENTRAL PART of BRITISH BURMAH, with the Shan Provinces of Burmah and Siam, to illustrate the journals of Capt. W. C. McLeod and Dr. Richardson, and of subsequent explorers. By Trelawny Saunders, London, 1870. *Scale*, 32 *miles to* 1 *inch; size*, 20 *inches by* 18.

Sketch Map, showing the distribution of the FORESTS of BRITISH BURMAH, and the present and proposed boundaries of the Forest Divisions and of the Government Forests, or areas subjected to the forest rules. W. J. Seaton, Captain, Conservator of Forests, British Burmah. 1875. *Scale*, 16 *miles to* 1 *inch; size*, 30 *inches by* 22.

I. ARAKAN DIVISION.

Including the three Districts of—1, Akyab; 2, Kyoukpyoo; 3, Northern Arakan; 4, Sandoway.

1. *Akyab District.*

DISTRICT AKYAB, 1853 to 1861, British Burmah Revenue Survey. *Scale*, 4 *miles to* 1 *inch; size*, 54 *inches by* 38. MS.

The same, lithographed and published. *Price* 6*s.*

MILITARY CANTONMENTS, TOWN, and SUBURBS of AKYAB, 1853–54. *Scale*, 12 *inches to* 1 *mile; size*, 25 *inches by* 36.

AKYAB JAIL, 1856. Plans, Sections, and Elevations. *On* 6 *sheets, size of each*, 18 *inches by* 25. On tracing paper and tracing cloth. MSS.

An EYE SKETCH of the KOLANDYNE RIVER (Akyab District). Drawn by Charles Montriou, H. C. Flotilla Service. *Scale*, 1 *mile to* 1 *inch; size*, 31 *inches by* 23. MS.

2. *Kyouk-pyoo District.*

MAIN CIRCUITS, Nos. 1 and 2. Townships RAMREE and KYOUKPHYOO, District Ramree. 1868–70. *Scale,* 1 *inch to* 1 *mile; on* 2 *sheets; size of each,* 31 *inches by* 44.

The THONGHOO (or Toungoop) ROAD. Route from Thonghoo to Prome. Surveyed by Lieut. Browne and Mr. Macan. 1826. No title. *Scale,* 4 *miles to* 1 *inch; size,* 17 *inches by* 27. MS.

Map of the ROUTE of the 18th REGT. MADRAS N.I., across the mountains from Pakang Yeh on the Irrawadie, to Aeng on the coast of Arracan, during the months of March 1826. By Lieut. T. A. Trant, Dept. Assist. Q.M. General. S.G.O. Calcutta, 1826. *Scale,* 2 *miles to* 1 *inch; size,* 37 *inches by* 38. MS.

Plan of the ROUTE of a DETACHMENT from the BRITISH Army in Ava, from Pakang Yeh to Aeng, during the month of March 1826. (By Lt. Trant.) S.G.O. Calcutta, 1828. *Scale,* 2 *miles to* 1 *inch; size,* 37 *inches by* 38. MS.

Sketch of the ROUTES from SHEMBEGWEN and MEMBOO across the YOMA MOUNTAINS to AENG in ARRACAN. By Lieut. Trant, with corrections and additions by Lieut. Boileau Pemberton, Surveyor of Eastern Frontier. S.G.O. Calcutta, 1831. *Scale,* 2 *miles to* 1 *inch; size,* 27 *inches by* 38. MS.

Contributions to a Map of the ARRACAN FRONTIER, put together in illustration of a report by H. Yule, Lieut. Bengal Engineers. 1853. (With a note on the revision of the longitudes between the Bay of Bengal and the Irawadi River.) *Scale,* 3 *miles to* 1 *inch; size,* 38 *inches by* 59. MS.

Rough plan of the AENG PASS, by Captain W. F. Nuthall, Chief Engineers Office, Fort William, August 1852. *Scale, about* 3⅓ *miles to* 1 *inch; size,* 26 *inches by* 19. MS.

DEFENCES of the AENG PASS (Arracan Frontier), in 22 plates, copied from the originals, signed H. Yule, Lt. Engineers, in the Chief Engineer's Office, Fort William, October 1853. *Size of each, about* 18 *inches by* 11. MSS.

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Plate 1. View of the Valley of the Aeng river, and the post of Bokhyong, looking westward from a knoll near the commencement of the Padang pass. 2. Semi-panoramic view of the Yoma Range from the shoulder of Khandiot overlooking Bokhyong. 2. Plan of Bokhyong. 3, 4, 5. Projected Stockade. 6. Thurowa in the Aeng Pass. 7. View of Thurowa from the South. View of the Guard house at Yogyee. 8. Wadat in the Aeng Pass. 9, 10. Blockhouse. 11. Sketch of the crest of the Aeng Pass. 12. Projected Guard house. 13. Situation of Naragain. 14. Blockhouse and Stockade at Naragain. 15, 16, 17, 18, 19. Details of buildings at Naragain. 20. View of the Stockade at Naragain. View of Naragain Hill and Wadah from the S.W. 21. Passage of Aeng River. 22. Passage of Maee River.

Journals.

Journal of a ROUTE ACROSS the MOUNTAINS from Padang Mew in Ava to Tonghoo in Arracan, by Lieut. R. Browne, Artillery Survey Department; from the 23rd March to the 2nd April 1826. *On* 28 *pages, foolscap folio, stiff cover.* MS.

Journal of the MARCH of the DETACHMENT of the 18th MADRAS NATIVE INFANTRY, from Pakang Yeh to Aeng, by Lieut. Trant, of H.M. 95th Regiment. 1826. *On* 40 *pages, foolscap folio, stiff cover.* MS.

3. *Northern Arakan District.*

Map of DISTRICT HILL TRACTS, NORTH ARAKAN, showing the new boundaries laid down by the Chief Commissioner, 16th May 1871. By R. F. St. Andrew St. John, Superintendent of Hill Tribes. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 10.

4. *Sandoway District.*

See Capt. Fitzroy's Map of Pegu Division.

II. PEGU DIVISION.

Including the five Districts of—1, Bassein; 2, Henzada; 3, Prome; 4, Rangoon; 5, Thayetmyo.

General Maps.

A Map of a part of the KINGDOM of AVA (PEGU), including the opposite coasts of Pegue and Martaban. By P. W. Grant, Captain, Survey Department. Copied in the S. G. O., Calcutta, January 1827. With Geodetical Remarks. *Scale,* 8 *miles to* 1 *inch; size,* 53 *inches by* 34. MS.

PROVINCE of PEGU, compiled by Lieut. E. C. S. Williams, Engineers, and Officers of the Pegu Survey Department, from all available information. December 1855. *Scale,* 8 *miles to* 1 *inch; size,* 38 *inches by* 45; *price* 8*s*.

Geological Sketch Map of the CENTRAL and NORTH EASTERN DISTRICTS of PEGU. Signed, J. McClelland, Officiating Superintendent of Teak Forests, Pegu. Dated, Rangoon, 10th November 1855. *Scale,* 8 *miles to* 1 *inch; size,* 29 *inches by* 25. MS.

BRITISH BURMAH, PEGU DIVISION. Topographical Map in 4 sheets, by Ferdinand FitzRoy, 2nd Capt. Royal Artillery. April 1862. *Scale,* 4 *miles to* 1 *inch; size of each sheet,* 29 *inches by* 40; *price* 8*s*.

*** Sheets 1 and 2 were published from Captain Fitzroy's drawings in 1864. Sheet 3 was compiled by Captain Edgcome, partly from Captain Fitzroy's work, and published in 1868. A later edition of this sheet, bearing the same dates, is endorsed with the following note:—" The British boundary properly goes as far as the range " of mountains constituting the watershed between the Poung-toung and Salween " Rivers. (Signed) A. Phayre, Chief Commissioner, British Burmah, 16th Feb- " ruary, 1870."* Sheet 4 was commenced by Captain Fitzroy, completed by Captain Edgcome in 1866, and lithographed in 1867.

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* It should be understood that Sir A. Phayre's note relates to the Karen territory, which was treated as independent, when the boundary between the British acquisitions and the kingdom of Burmah was defined along a line commencing at its western end in 19° 39′, and ending in 19° 27′ north latitude. On reaching the Karen hills, the boundary was deflected from 19° 27′, and carried south-eastward along the margin of the highland to the Salween river at its confluence with the Pah. Thus a wedge of independent Karen territory, about 80 miles wide on the parallel of 19° 27′, was permitted to extend southward for about 50 miles, between the British and Siamese boundaries. Sir A. Phayre's note would reduce this wedge to a width of about forty miles, leaving the remainder, however, no longer under a petty hill tribe, but subject to the more powerful kingdom of Burmah.

Since the foregoing paragraph was written the Western Karennee Boundary Expedition, in 1876, surveyed a boundary line commencing at Sauau, a hill in 19° 23′ 30″ N. and 96° 53′ E. The line was carried eastward on the same parallel to Preusok, a hill in 97° 3′ 20″ E., and thence zigzag to a point on the Nampay River (near Mobyay) in 97° 14′ E. and 19° 41′ 30″ N. It will be observed that the Sauau and Preusok line is 3½ geographical miles south of the Anglo-Burmese boundary, which was meant to be in 19° 30′, but actually runs irregularly as already described. It is also obvious that the new boundary terminates at present abruptly, and that about 30 or 40 miles remains to carry it to the Salween. *See* Karennee Boundary maps, page 307.

Karennee Boundary.

Sketch Map of WESTERN KARENNEE, BURMAH. Surveyed with chain and compass by Mg. Shwaylin and Mg. Kya. May 1876. R. O. Lloyd, Lieut., Royal Engineers, in charge of Survey Party, West Karennee Boundary Expedition. *Scale, 4 miles to 1 inch; size, 28 inches by 26.* (Showing the route of the party.)

Sketch Map of WESTERN KARENNEE, BURMAH. February 1876. *Scale, 1 mile to 1 inch; on 2 sheets, size, 33 inches by 40.* (With the West Karennee boundary line coloured.)

Route Maps.

Chart showing the ROUTE pursued by BOATS from BASSEIN to RANGOON by the Rivers; Compiled from Observations by Robert Moresby, 1st Lieut. Honourable Company's Cruiser, Mercury. S. G. O. Calcutta, 25th May 1826. *Scale, about 3 miles to 1 inch; size, 16 inches by 28.*

Sketch to accompany REPORT on ROUTE between HENZADAH (on the Irrawaddy) and AINGTHABIEW (on the Bassein river); traversed during the month of April 1854. Signed, E. C. S. Williams, Lieut., Superintendent of Survey of Pegu. *Scale, 2 miles to 1 inch; size, 21 inches by 27.* MS.

Map to illustrate the PROPOSED LINE of ROAD from PROME to RANGOON. Surveyed and drawn by C. Scott, Lieut., Madras Engineers, and F. T. Pollok, Ensign 8th Regiment M. N. I. No date. *Scale, 4 miles to 1 inch; size, 36 inches by 27.*

Routes from TOUNGO to PROME and MEADAY, on the IRRAWADDY and from TOUNGO northwards, towards AVA, as far as the British Boundary. 1855. No title. *Scale, about 2 miles to 1 inch; size, 26 inches by 40.* MS.

4. *Rangoon District.*

Plan of RANGOON (Town). Signed, R. Baird Smith, Lieut.-Col. *Scale, 1,000 feet to 1 inch; size, 30 inches by 37.* MS. trace.

Survey Sketch. TRIANGULATION of the RANGOON RIVER from Panlang Creek to Bogyot, a short distance below the entrance of the Pegu river. From the Superintendent of Topographical Surveys Office. Signed, R. Baird Smith. *Scale, 2 inches to 1 mile; size, 20 inches by 18.* No title. MS. trace.

RANGOON BARRACKS, &c.:—

1. Title sheet of Fitzroy's Map of Pegu, containing Rangoon.
2. Plan of the Cantonment of Rangoon.
3. Plan of Royal Artillery Lines.
4. „ Infantry Lines.

5. *Thayetmyo District.*

THAYETMYO BARRACKS, &c.:—

1. Sheet No. 4 of Fitzroy's Map of Pegu, containing Thayetmyo.
2. Plan of the Cantonment of Thayetmyo, 1869.
3. Key Plan, sheet No. 1, European Infantry Barracks.
4. European Infantry Barracks, sheet No. 1, on 6 sheets.
5. Key Plan, sheet No. 2, Royal Artillery Barracks.
6. Sheet No. 2, Royal Artillery Barracks, on 4 sheets.

*** *See also* "Statistical and Historical Account of the District of Thayetmyo by Lt.-Col. Horace Albert Browne, Dep. Com. 1873." With two maps. 8vo., Rangoon, 1873. In the Record Department.

III. TENASSERIM DIVISION.

Including the four Districts of—1, Amherst; 2, Mergui; 3, Shwegyeen; 4, Tavoy; 5, Toungoo; 6, Salween.

Atlas and General Maps.

An ATLAS of TENASSERIM, containing the following maps:—

No. 1. Plan of the Province of Tavai, by Lieut. James Low, 46th Regiment Madras N. I. Calcutta, 12th April 1826. *Scale, about* 3¾ *miles to* 1 *inch; size,* 21 *inches by* 25.

No. 2. Plan of the Route from Tavai towards Martaban through Kaleengaung and Ye. By Lieut. James Low, 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, about* 3¾ *miles to* 1 *inch; size,* 21 *inches by* 26.

No. 3. Plan of the Burman Province of Mautama (or) Martaban. Presented to the Honourable R. Fullerton, Esq., Governor in Council of Prince of Wales' Island, by his most obedient and humble servant, The Compiler. Signed, James Low, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, about* 9½ *miles to* 1 *inch; size,* 29 *inches by* 23.

No. 4. Plan of the Fortified Town of Tavai. By James Lowe, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale,* 150 *yards to* 1 *inch; size,* 28 *inches by* 18.

No. 5. Plan of the Town and Stockade of Martaban. By James Lowe, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale,* 300 *yards to* 1 *inch; size,* 13 *inches by* 21.

No. 6. Plan of the Stockaded Town of Ye, by Lieut. James Low, 46th Regt., Madras, N.I. S.G.O. Calcutta, 12th April 1826. *Scale,* 100 *yards to* 1 *inch; size,* 15 *inches by* 21.

No. 7. Sketch AA. showing the Mouth of the River Mouttama and the Island ot Pooloogyoon. S.G.O. Calcutta, 14th April 1826. *Scale, about* 1 *mile to* 1 *inch; size,* 22 *inches by* 17.

No. 8. Chart of the Roadstead and Approaches to the Town of Amherst. W. Spiers, Surveyor. *Scale, about* 2,900 *feet to* 1 *inch.* With an insertion showing the mouths of the Salwen, Gyaing, and Attaran Rivers, *on a scale of about* 6 *miles to* 1 *inch.* No title. S.G.O. Calcutta, 25th May 1826. *Size,* 23 *inches by* 26.

A Sketch of the CONQUERED PROVINCES of MARTABAN, YE, TAVOY, and MARGUI. Reduced and corrected by Capt. P. W. Grant, Survey Department. Received, October 1827. *Scale,* 8 *miles to* 1 *inch; size,* 58 *inches by* 26.

The TENASSIRIM PROVINCES. By Captain W. C. McLeod, M.N.I. No date. *Scale,* 16 *miles to* 1 *inch; size,* 36 *inches by* 14.

*** The districts of Shwegyeen, Toungoo, and Salween, are omitted in this and also in the foregoing maps.

Map of TENASSERIM, compiled by Arthur H. Bagge, Lieut. Royal Engineers, Her Britannic Majesty's Commissioner for the Settlement of the Boundary between the Kingdom of Siam and the British Province of Tenasserim. *In* 6 *sheets. Scale,* 4 *miles to* 1 *inch; size of each sheet,* 30 *inches by* 45; *price* 12*s*.

Map of TENASSERIM and the adjacent PROVINCES of the KINGDOM of SIAM, compiled by Lieut. A. H. Bagge, Royal Engineers, Her Britannic Majesty's Commissioner for the Siam and Tenasserim Boundary Settlement. To illustrate the final report. *Scale,* 8 *miles to* 1 *inch; on* 4 *sheets; size of each,* 22 *inches by* 33; *price* 8*s*.

Map of TENASSERIM, showing the proposed boundaries for the Government forests, or areas subject to the forest rules. 1875. *Scale*, 16 *miles to* 1 *inch ; size*, 30 *inches by* 22.

1. *Amherst District.*

(Plan of) YEA, a stockaded Town in Martaban, in 1825, by Capt. James Low. *Scale*, 100 *yards to* 1 *inch ; size*, 18 *inches by* 22. MS.

A Sketch of the PROVINCE of MARTABAN (the present District of Amherst). Corrected from Astronomical Observations, by Capt. P. W. Grant, Surveyor. Received, October 1827. *On a scale of* 4 *miles to* 1 *inch ; size*, 44 *inches by* 21. MS.

A Sketch of the PROVINCE of MARTABAN (the present District of Amherst), corrected from Astronomical Observations by Captain P. W. Grant. 1827. *Scale*, 8 *miles to* 1 *inch ; size*, 23 *inches by* 15. MS.

*** With remarks on the area, population, staple products, &c.

Report relative to the SURVEY of the PROVINCE of MARTABAN (the present District of Amherst in Tenasserim), with latitudes and angles observed. Memo. on the Survey of the Sulwaen (Salween) from Moulmein to Kokret. Observations on the Attaran River, and the route to the Three Pagodas, &c. By Captain Grant. 1827. Fscap. folio, half-bound. MS.

A Map of the PROVINCE of MARTABAN (the present District of Amherst), including the adjacent Coast of Pegue (the borders of the present District of Shwegyeen in Tenasserim). Constructed chiefly from Capt. Low's Map, and corrected by Capt. P. W. Grant. From Ye to the southward is taken exclusively from Capt. Low's Map. The Coasts of Pegue and Martaban and the Anglo-Burmese frontiers, are laid down from Astronomical Observations made subsequently to Captain Low's Survey. Copied in the Surveyor-General's Office, April 1827. *Scale*, 8 *miles to* 1 *inch ; size*, 40 *inches by* 29. MS.

A Map of a SURVEY across the FORESTS extending from Latitude 15° 44′ on the banks of the Attaran to the Three Pagodas. By Lieut. Montmorency, Assistant to Capt. Grant, Survey Department. 1827. *Scale*, 2 *inches to* 1 *mile ; size*, 80 *inches by* 19. Original MS.

A Map of a SURVEY across the TEAK FORESTS extending from Latitude 15° 44′ 12″ to 15° 17′ 46″ (Three Pagodas). Corrected from Astronomical Observations by Capt. P. W. Grant, Survey Department. Copied in the S.G.O., February 1828. *Scale*, 1 *mile to* 1 *inch ; size*, 39 *inches by* 19. MS.

A Map of the ATTARAN RIVER, extending from Moulmein to the Three Pagodas. Corrected from Astronomical Observations by Capt. P. W. Grant, Surveyor. Copied in S.G.O., February 1828. *Scale*, 2 *miles to* 1 *inch ; size*, 46 *inches by* 31. MS.

Map of the SULWEN (Salwen), GYEIN (Gain), and ATTRAN (Attaran) RIVERS, between N. Latitudes 16° and 17° 30′. 1831. *Scale*, 4 *miles to* 1 *inch ; size*, 29 *inches by* 20. No title. MS.

A Map of the THOUNGYEEN and ATTRAN FORESTS, on the Northern Boundary of the Tenasserim Province. Copied, 6th October 1848. *Scale, about* 2¾ *miles to* 1 *inch ; size*, 74 *inches by* 43. MS.

3. *Shwegyeen District.*

A Plan of MAUTAMA or MARTABAN, by Capt. James Low.
The interior chiefly laid down from a running Survey made personally by the Compiler during the Burman War in 1825. *Scale, about* 9½ *miles to* 1 *inch; size,* 29 *inches by* 22. MS.

*** This Map contains parts of the actual districts of Shweygeen and Amherst.

MARTABAN, stockaded Town, in 1825, by Capt. James Low.
Scale, 300 *yards to* 1 *inch; size,* 17 *inches by* 22. MS.

PLAN of MARTABAN PROVINCE (now Shweygeen District) from MARTABAN to SHWAYGEEN. Compiled by Mr. A. Hobday from his own Survey and that of S. B. Hellard, Lieut. I.N., February to May 1853. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 23; *price* 2*s.*

Map of MARTABAN PROVINCE (now Shweygeen District), from MARTABAN to TOUNGNGOO. Surveyed and compiled by A. Hobday. 1853 to 1854. Moulmein, 29th June 1854. *Scale,* 4 *miles to* 1 *inch; size,* 47 *inches by* 35.

The MARTABAN PROVINCE (now Shweygeen District), from MARTABAN to TOUNGNGOO. Surveyed and compiled by A. Hobday. 1853 to 1856. Dated, Moulmein, 13th May 1856. *Scale,* 4 *miles to* 1 *inch; size,* 49 *inches by* 32.

4. *Tavoy District.*

A Plan of the CEDED PROVINCE or MYOO of TAVAY (between N. lats. 13° 20′ and 14° 10′), by Captain James Low. (1825.) (*Scale, about* 3¾ *miles to* 1 *inch*); *size,* 20 *inches by* 21. MS. Marked No. 1.

Plan of the WALLED TOWN of TAVOY, by Captain J. Low. 1825. *Scale,* 150 *yards to* 1 *inch; size,* 29 *inches by* 21. MS.

5. *Toungoo District.*

Geological map of the DISTRICTS of TOUNGOO. Compiled by E. O'Riley, F.G.S. *Scale,* 6 *miles to* 1 *inch; size,* 37 *inches by* 26. MS.

TONGOO BARRACKS, &c.:—
1. Sheet No. 3 of FitzRoy's map of Pegu, containing Tongoo (Toung-goo).
2. European Infantry Barracks.
3. Royal Artillery Barracks.

XIII. ANDAMAN AND NICOBAR ISLANDS.

The NICOBAR ISLANDS, with NONCOVERY HARBOUR enlarged. Kyd's Survey, 1790. *Size,* 62 *inches by* 27. MS.

The same on a reduced scale, drawn for Ritchie's maps of the Bay of Bengal. *Size,* 27 *inches by* 40. MS.

Chart of the ANDAMAN ISLANDS surveyed at the charge of the East India Company, by order of Charles, Marquis Cornwallis, K.G., Governor General in Council, in 1789 and 1790, and partially revised and corrected in 1793 by Archibald Blair. Also Sheets 3 and 4. See pages 556, 580, and 593.

Chart of the ANDAMAN and NICOBAR GROUP of ISLANDS.
Extracted from the Admiralty Chart of the Bay of Bengal. Photozincographed at the S. G. O., Calcutta. *Size, 24 inches by* 30.

Vocabulary of dialects spoken in the NICOBAR and ANDAMAN ISLES, with a short account of the Natives, their customs and habits, and of previous attempts at colonization. By Fr. Ad. de Röepstorff. Second edition. Calcutta, 1875. With a Map. 8vo., stiff cover.

Rough Chart of PORT BLAIR and PORT MOUAT, with adjacent islands, showing proposed route for a Telegraph Cable across the South Andaman, with a Telegraph Office on Chatham Island. *Scale,* 1 *inch to* 1 *mile; size,* 30 *inches by* 42.

Rough Chart of PORT BLAIR, showing proposed route for a Telegraph Cable through Port Blair towards Port Mouat. *Scale,* 2 *inches to* 1 *mile; size,* 15 *inches by* 22.

This Chart of PORT BLAIR HARBOUR is respectfully dedicated to Colonel B. Ford, Superintendent of Port Blair, &c., by M. E. Matthews, Commander H.M.S. "Alexandra." No date or scale. Received, 1868. *Size,* 29 *inches by* 30.

Rough Chart of PORT MOUAT and adjacent islands, showing proposed route for a Telegraph Cable, from the West Coast of South Andaman towards Port Blair, viâ Port Mouat. *Scale,* 1 *mile to* 1 *inch; size,* 30 *inches by* 42.

* * * LABYRINTH ISLANDS, PORT MOUAT, and PORT BLAIR. * * * By M. E. Matthews, Commander of H.M.S. "Alexandra." Calcutta, 1867. *Size,* 34 *inches by* 27.

PORT BLAIR, ANDAMAN ISLANDS. The scene of the assassination of the Viceroy of India. Lithographed from a sketch by Colonel Rundall, R.E., at the Surveyor-General's Office, Calcutta, 28th Feb. 1872. *Size,* 15 *inches by* 22.

View of the JETTY at HOPE TOWN, PORT BLAIR, the scene of the assassination of the Viceroy of India. Lithographed from a sketch by Colonel Jervois, R.E., at the Surveyor-General's Office, Calcutta, March 1872. *Size,* 12 *inches by* 16.

Plan of ROSS ISLAND at PORT BLAIR, 1869. *Scale,* 6 *inches to* 1 *mile; size,* 40 *inches by* 27.

II. MADRAS PRESIDENCY.

Including twenty-one Districts and also Native Principalities.

Formerly in five Provinces or Divisions, but now in twenty-one Districts. The five obsolete divisions were—the Ceded Districts, Malabar, the North Carnatic, the Northern Circars, the South Carnatic.* The twenty-one districts into which the Presidency is now divided are—1, Belary; 2, Chengalpat; 3, Coimbatore; 4, Cuddapah: 5, Ganjam; 6, Godavari; 7, Krishna; 8, Karnul; 9, Madras; 10, Madura; 11, Malabar; 12, Nilgiri Hills; 13, Nellore; 14, North Arcot; 15, Salem; 16, South Arcot; 17, South Canara; 18, Tanjore; 19, Tinnevelli; 20, Trichinapalli; 21, Vizagapatam. The native Principalities in this Presidency are—Cochin; Travancore; Puducota; Banganapalli in Karnul; Sandur in Belary; Bodogoda, Chinna Kemedi, and Jaipur, forming the Jaipur Agency; and the Laccadive Islands.

General Maps.

A Map of the COAST of COROMANDEL from Cape Comorin to Ganjam, showing the Military Stations under the Presidency of Fort St. George, and the districts ceded by Tippoo Sultaun. 1796. To which is now added the principal Military Stations, Posts, and Roads in Mysore and Malabar; extending to the Frontier of the Mahrattas and of the Nizam after the partition of 1799 from the Maps of the Nizam's dominions and the Surveys with the Army in Mysore, and of the Malabar Surveys, &c. Compiled by Capt. Mackenzie in December 1799. (With a list of Passes in the Eastern Ghauts.) *Scale*, 20 *miles to* 1 *inch; size*, 53 *inches by* 48. MS.

Map of the NIZAM'S DOMINIONS and of MYSORE, exhibiting the Principal Places, Forts, Roads, and Passes, with the contiguous Districts of the Carnatic and of the Mahrattas; the partition of Mysore, according to the Treaty of 1799 by Colin Mackenzie, Captain of Engineers. *Scale*, 24 *miles to* 1 *inch; size*, 46 *inches by* 27. MS.

*** With tables of Remarkable Fields of Battle, Remarkable Hindoo Temples or Places of Worship, Ancient Capitals, &c.

Map of SOUTHERN INDIA, showing the Military Divisions of the Army of the Madras Presidency and the place of outbreak of cholera among the Native Troops, while marching from one station to another from 1820 to 1844 inclusive. Prepared in the Quartermaster-General's Office under the direction of Assistant Surgeon Alexander Lorimer, M.D., by order of Government, dated 25th May 1845. *Scale*, 24 *miles to* 1 *inch; size*, 47 *inches by* 39.

Map of the COLLECTORATES and TERRITORIES under the MADRAS PRESIDENCY. Chief Engineer's Office, Surveyor-General's Department, Fort St. George. No date. About 1850? *Scale*, 24 *miles to* 1 *inch; size*, 39 *inches by* 38. MS.

*** With a statement showing the Collections of Lands and Extra Sources of Revenue, the charges and net revenue, as well as the population, the number of talooks and the area in square miles of each District under the Madras Presidency.

Map of the ROADS in the MADRAS PRESIDENCY. 1854. *Scale*, 24 *miles to* 1 *inch; size*, 41 *inches by* 37.

* The Ceded Districts (one of the names now obsolete) included the present districts of Belary, Cuddapah, and Karnul; Malabar remains the same; the North Carnatic Province contained the City and District of Madras, Nellore, North Arcot, and South Arcot; the Northern Circars were identical with the present districts of Ganjam, Godavari, Krishna, and Vizagapatam; the South Carnatic included Coimbatore, Madura, Salem, Tanjore, Tinnevelli, and Trichinopoly. South Canara was formerly in Bombay.

An Atlas of the SOUTHERN PART of INDIA, including the Plans of all the principal Towns and Cantonments, reduced from the Grand Trigonometrical Survey of India, showing also the Tenasserim Provinces. Pharaoh and Co., Madras. Engraved by J. & C. Walker, London, 1855. 67 maps and plans, in 1 vol. 4to., half-bound.

Map of the PENINSULA of INDIA, comprising the whole of the Madras Presidency and portions of the adjacent territories of Bengal and Bombay, derived from the latest surveys and other information collected by Major F. H. Scott, Deputy Quartermaster-General of the Madras Army, and corresponding in all its details with the road book compiled by that officer. Madras, 1855. *Scale,* 24 *miles to* 1 *inch; on* 2 *sheets; size of each,* 27 *inches by* 40.

The original drawing of the same without title.

The same, with MS. revisions for the second edition.

The second edition by Lieut.-Colonel F. H. Scott, &c., Madras, 1863.

Cotton Map of the MADRAS PRESIDENCY, comprising all the Districts, Marts, Roads, Railways, Canals, and Ports, and a coloured representation of all the cotton growing localities, to illustrate the Hand Book to the Cotton Cultivation, by J. Talboys Wheeler. Compiled by D. Ross. Chipauk, August 1862. *Scale,* 24 *miles to* 1 *inch; size,* 39 *inches by* 34.

Educational Map of the MADRAS PRESIDENCY. Prepared under instructions from the Educational Department. By A. Barren. Madras, 1863. *Scale,* 32 *miles to* 1 *inch; size,* 30 *inches by* 25.

Map of the MADRAS PRESIDENCY, showing the DISTRICT and TALUK BOUNDARIES and the principal Rivers, Roads, Railways, and Ports. Revenue Survey Office, Chepauk, 22nd January 1869. *Scale,* 24 *miles to* 1 *inch; size,* 40 *inches by* 35. Mounted to fold.

Map of the MADRAS PRESIDENCY, exhibiting the Progress of the Revenue Survey and Settlement in 186 . Incomplete. *Scale,* 48 *miles to* 1 *inch; size,* 24 *inches by* 19. With specimens of Madras Revenue Survey, No. 34, page 315.

Skeleton Map of the MADRAS PRESIDENCY, showing progress of Revenue Survey work up to December 1872. Colonel J. Priestley, Superintendent, Revenue Survey, Central Survey Office, Chepauk. *Scale,* 32 *miles to* 1 *inch; size,* 30 *inches by* 25.

*** Also a later edition up to 31st March 1874.

Outline Map of the MADRAS PRESIDENCY to illustrate the Projects contained in the Proposed Budget (P. W. D.) for 1857–58. *Scale,* 12 *miles to inch; size,* 75 *inches by* 63.

The same Map for the following years:—1858–59, 1861–62, 1862–63, 1863–64, 1864–65, 1865–66, 1867–68, 1868–69, 1869–70.

Second edition of the same Map for the year 1870–71.

Irrigation Map of the MADRAS PRESIDENCY, compiled and drawn in the Government Lithographic Press, Central Office of Public Works, from information furnished by District Engineers, for the Secretary of State for India, per order of Government, No. 569, of the 17th March 1860. With a list of the principal Rivers, Canals, Channels, and Tanks, &c. *Scale,* 8 *miles to* 1 *inch; size,* 9 *feet* 6 *inches by* 8 *feet.*

The same Map successively corrected to 1863, 1864, 1869.

MADRAS REVENUE SURVEY. A selected series of Maps and Records exemplifying the Operations of the Madras Revenue Survey under the direction of COLONEL J. PRIESTLEY.

The Demarcation and Survey Records complete of the Village of Vellappakam, No. 53, Ponnery Taluq, Chinglepat District.

1. Boundary Demarcation Sketch, 1 sheet.
2. Khandam Demarcation Sketch, 3 sheets.
3. Land Register, 1 sheet.
4. Field Book, Boundary and Khandam Circuit, 1 book
5. Field Book, Minor Circuit, 1 book.
6. Amin's Sketches, 3 sheets.
7. Amin's Field Book, 1 book.
8. Boundary Traverse, 1 sheet.
9. Khandam Traverses, 2 sheets.
10. Minor Circuit Traverses, 4 sheets.
11. Computation Papers, 4 sheets.
12. Area list, 1 sheet.
13. Lithographed Map, 1 sheet.
14. Manuscript Map, showing process of Plotting Fields, 1 sheet.

Miscellaneous Papers.

15. Extract from Main and Village Traverses for distance between G. T. Stations, Kolapa and Dunapa, 1 sheet.
16. Comparative Statement of Distances between G. T. Survey and Revenue Survey, 1 book.
17. Average Cost of Survey, Measurements, &c. for one square mile, 3 papers.
18. Demarcation Rules, 1 book.
19. Survey Rules, 1 book.

Topographical Maps.

20. Specimen of a Plane Table Square. Bavani Taluq, Coimbatore District. *Scale*, 4 *miles to* 1 *inch ; size*, 22 *inches by* 29.
21. Manuscript Map of Nagasamudram, &c., Zamindari, Kavali Taluq, Nellore District. *Scale*, 4 *miles to* 1 *inch ; size*, 40 *inches by* 27.

Taluq Maps.

22. Map of the BANDAR (or Masulipatam) Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1859, '60, and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Deputy Supt. Survey. Chepauk, 1871. *Scale*, 1 *mile to* 1 *inch ; on* 4 *sheets size*, 48 *inches by* 56.

   *** With a list of the Villages named in English and Native characters, their area and the extent of wet and dry Cultivation, also a list of the Zemindaris, &c. The population of each place, the branches of administration conducted in it, and various agrarian facts are indicated. But there is no projection.
23. Map of the BAPATLA Taluq, Kistna District. Reduced from the Maps of the Revenue Survey completed in 1866. By Major W. Crewe, 32nd M.N.I. Deputy Supt. Revenue Survey. Chepauk, 1870. *Scale*, 1 *mile to* 1 *inch : on* 2 *sheets ; size*, 52 *inches by* 38.

24. Map of the Bezwada Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 48 *inches by* 37.

25. Map of the Gudivada Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 40 *inches by* 46.

26. Map of the Guntur Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1865. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 52 *inches by* 38.

27. Map of the Nandigama Taluq, Kistna District. Reduced from the maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 52 *inches by* 38.

28. Map of the Narsaraopett Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1867. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 52 *inches by* 39.

29. Map of the Repalli Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1866. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 52 *inches by* 38.

30. Map of the Sattenapalli Taluq, Kistna District. Reduced from the maps of the Revenue Survey, surveyed in 1861 and '62. By Capt. W. H. Hessey, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 52 *inches by* 38.

31. Map of the Kavali Taluq, Nellore District. Reduced from the maps of the Revenue Survey completed in 1867. By F. C. Puckle, Esq., M.A., Dept. Supt. Revenue Survey. Chepauk, 1870. *Scale,* 1 *mile to* 1 *inch: on* 2 *sheets; size,* 44 *inches by* 38.

32. Map of the town of Madras and the Surrounding Country comprising the Sydapet Taluk. Reduced from the maps of the Revenue Survey executed in 1867 and 1868. Chepauk, 1870. *Scale,* 2 *inches to* 1 *mile: on* 4 *sheets; size,* 64 *inches by* 52.

Municipal Survey.

33. Madras Municipal Survey. Col. J. Priestley, Supt. *Scale,* 100 *feet to* 1 *inch.* Lithographed in colors by Alex. Barren, Revenue Survey Office, Chepauk, 1871.

2nd	Dvision,	Sections	1 to 6 on 5 sheets.
3rd	„	„	1 to 4 on 4 sheets.
4th	„	„	1 to 6 on 6 sheets.
5th	„	„	1 to 4 on 4 sheets.
6th	„	„	1 & 2 on 2 sheets.
8th	„	„	1 & 2 on 2 sheets.

Madras Presidency.

34. Map of the Madras Presidency showing the District and Taluk Boundaries, and the principal rivers, roads, railways, and parts. (Also the state of the Revenue Survey.) Chepauk, 22nd January 1869. *Scale,* 24 *miles to* 1 *inch; size,* 39 *inches by* 35.

*** *See also* the Madras Revenue Survey maps, under the heading of each district.

SPECIMENS OF MAPS published at the CENTRAL SURVEY OFFICE, MADRAS. Sent by COLONEL PRIESTLEY, Superintendent Revenue Survey. Delivered to the GEOGRAPHICAL DEPARTMENT, INDIA OFFICE, October 14th, 1874.

Copperplate Engraving.

Map of the TOWN and SUBURBS of MADRAS, compiled from the Government Survey Maps, corrected to January 1874. Three of the sheets.

Litho-Engraving.

Map of the CHINGLEPUT and MADRAS DISTRICTS reduced from the Revenue Surveys. *Scale, 2 miles to 1 inch.* The title sheet only.

Lithography.

Map of the NELLORE DISTRICT, reduced from the Revenue Survey Maps, 1873. *Scale, 2 miles to 1 inch.* To be completed in four sheets, of which three only are here.

Map of the BAPATLA TALUK, KISTNA DISTRICT, reduced from the maps of the Revenue Survey, completed in 1866. By Major W. Crewe, 32nd M.N.I. Deputy Superintendent Revenue Survey. Chepauk, 1870. *Scale, 1 inch to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

Map of the VINUKONDA TALUQ, KISTNA DISTRICT, reduced from the maps of the Revenue Survey, executed in 1864–65. Lieut.-Col. W. Crewe, Staff Corps, Deputy Superintendent Revenue Survey. *Scale, 1 inch to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

KELAMPAKKAM VILLAGE MAP. No. 45, CHINGLEPUT DISTRICT, CHINGLEPUT TALUQ, KELAMPAKKAM. *Scale, 5 chains to 1 inch; size, 24 inches by 30.*

⁂ This map is accompanied by copies of the following records of the survey:—

1 Boundary Circuit.
1 Khandam Circuit.
2 Minor Circuits.
1 Area List (fields).
1 Area of Village, Calculations.
11. Khandam Traverses.
5 Boundary and Khandam Sketches.
1 Ameen's Sketch Book, Khandams 1, 2, 4.
1 " " " 3.
2 Land Register.

TENKERAI TALUQ, first section. Incomplete. *Size, 40 inches by 27.*

Part of COIMBATORE TALUQ, COIMBATORE DISTRICT, to supply a blank in the Indian Atlas, sheet 61. *Scale, 1 inch to 1 mile.* (Specimen of hill sketching.) *Size, 40 inches by 27.*

Topographical Map of OOTACAMUND SETTLEMENT, NEILGHERRY DISTRICT. Chepauk, 1872. *Scale*, 8 *inches to* 1 *mile; on* 9 *sheets; size of each*, 26 *inches by* 30.

Map showing the Land within a radius of one mile from the MUDDANUR RAILWAY STATION. 1872. *Scale*, 16 *inches to* 1 *mile; size*, 36 *inches by* 50.

Map showing the Land within a radius of one mile from the KAMALAPURAM RAILWAY STATION. 1872. *Scale*, 16 *inches to* 1 *mile; size*, 36 *inches by* 50.

Map showing the Land within a radius of one mile from the YERRAGUNTLA RAILWAY STATION. 1872. *Scale*, 16 *inches to* 1 *mile; size*, 36 *inches by* 50.

TRICHINOPOLY CANTONMENT. 1866. *Scale*, 5 *chains to* 1 *inch; on* 3 *sheets; size of each*, 40 *inches by* 27.

Preliminary Chart of the TRIANGLES of COORG. 1874. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 27.

Photo-lithography.

TRICHINOPOLY DISTRICT. Sheet No. 4. *Scale*, 2 *miles to* 1 *inch; size* 27 *inches by* 40.

UTHENGIRI TALUQ, SALEM DISTRICT. Unfinished. *On* 2 *sheets; size of each*, 40 *inches by* 27.

Combined Map of HOOROORNOORAKUL, and a portion of MADIKERI-HALERI NADU, MERKARA TALUQ. *Scale*, 2 *inches to* 1 *mile; size*, 27 *inches by* 33.

A VILLAGE MAP on the scale of 16 inches to a mile, with the principal features enlarged for reduction by photo-lithography to the scale of 1 inch to 1 mile. *Size*, 42 *inches by* 53. With copies of photo-lithograph *Size, about* 3 *inches by* 3½.

Madras Military Maps.

Plan exhibiting the PRESENT PARTITION of the Country dependent on FORT ST. GEORGE into Military Divisions with the several stations of Troops. Agreeably to the General Distribution Return of the Coast Army. For the month of March 1842. Quartermaster-General's Office, Fort St. George. (*Scale*, 32 *miles to* 1 *inch*); *size*, 31 *inches by* 26. MS.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1858. *Scale*, 45 *miles to* 1 *inch; size*, 25 *inches by* 40.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1864. *Scale*, 45 *miles to* 1 *inch; size*, 26 *inches by* 40.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1865. *Scale*, 45 *miles to* 1 *inch; size*, 27 *inches by* 40.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1866. *Scale*, 45 *miles to* 1 *inch; size*, 27 *inches by* 41.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General. 31st May 1868. *Scale*, 45 *miles to* 1 *inch; size*, 27 *inches by* 41.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General. 31st May 1869. *Scale*, 45 *miles to* 1 *inch; size*, 28 *inches by* 41.

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General. 31st May 1870. *Scale*, 45 *miles to* 1 *inch; size*, 27 *inches by* 41.

Disposition Map of the MADRAS ARMY. Quartermaster-General's Office, Fort St. George, 31st May 1873. *Scale*, 32 *miles to* 1 *inch; size*, 34 *inches by* 50.

Disposition Map of the MADRAS ARMY. Quartermaster-General's Office, Fort St. George, 1st May 1875. *Scale*, 32 *miles to* 1 *inch; size*, 37 *inches by* 52.

Route Maps.

Mackenzie's Surveys.

The route of the NIZAM'S DETACHMENT from BANGALORE to GANDICOTTA and KURPA or CUPADA, in 1792. Surveyed by Colin Mackenzie, Lieut. Engineers and Surveyor to the Detachment. *Scale*, 2 *miles to* 1 *inch; in* 2 *sheets, marked Nos.* 1 *and* 2. No. 1. *Size*, 81 *inches by* 24. No. 2. *Size*, 29 *inches by* 36. MSS.

Route of a DETACHMENT of the HONOURABLE COMPANY'S FORCES in the service of His Highness the Nizam. Commanded by Capt. Andrew Reid, from Bangalore to Cuddapa, in 1792. Reduced from the original Survey, executed by C. Mackenzie, Lieut. and Engineer to the Detachment. *Scale*, 8 *miles to* 1 *inch; size*, 26 *inches by* 26. MS.

Roads from BANGALORE to GANDICOTTA, KURPA, and CALWAY in the Carnatick; and from Calway by the Dornal Pass, to Badwoil and Cummum; and by Bassapour Pass, to Nundyal and Kurpa; with the Road from Nellore to Udgherry Droog, Pamour, Canegerrydroog and Ongole. Reduced from surveys executed in 1792 and 1793 by C. Mackenzie, Lieut. Engrs. Surveyor to the Nizam's Detachment. Fort St. George, 7th October 1793. No. 3. *Scale*, 8 *miles to* 1 *inch; size*, 33 *inches by* 39. MS.

Survey of the PRINCIPAL PASSES, leading from the CARNATICK into the CUMMUM, CANOUL and KURPA COUNTRIES (including the course of the Pennar R. from Kurpa to Calway) in September and October 1792. By C. Mackenzie, Lieut. Engineers, Surveyor to the Nizam's Detachment. No. 4. *Scale*, 2 *miles to* 1 *inch; size*, 54 *inches by* 39. MS.

Continuation of the SURVEY of the PASSES and FRONTIER between the Carnatick, and the Districts of Kurpah and Canoul; carried on from the Pennar R. to the Kistnha R., including the principal Roads, in 1794. By C. Mackenzie, Capt. of Engineers, Surveyor to the Nizam's Detachment. *Scale*, 2 *miles to* 1 *inch; size*, 26 *inches by* 56. MS.

Plan of the PASSES and ROADS on the FRONTIER of the CARNATICK, between the Rivers Pennar and Kistnha. Reduced from the Surveys by C. Mackenzie, Capt. Engineers, Surveyor to the Nizam's Detachment, 1794. *Scale, 8 miles to 1 inch; size, 20 inches by 29.* MS.

Remarks on a JOURNEY into the COUNTRIES of CUMMUN, DUPAAD, PURWUTTUM, and CANOUL (Kurnool), being the continuation of the Survey of the frontier and passes between the rivers Pennar and Kistna in 1794, by Colin Mackenzie, Capt. Engrs. Surveyor. *Folio, 44 pages, paper cover.*

A Military Chart of the NORTHERN FRONTIER of the CARNATIC and DEPENDENCIES of the GOVERNMENT of FORT ST. GEORGE, exhibiting the principal Forts, Places, Military Posts, Rivers, Roads, and Passes; their mutual connexion with each other and with the Central Military Arsenals, Stations, and Sea Ports; with the Boundary of the Company's and of the Rajah of Mysore's Territories, and of the newly added Provinces from the Nizam. Compiled from the Surveys carried on in Mysore from 1799 to 1802, connected with the surveys of Roads and Routes executed in the Nizam's Provinces from 1792 to 1799, the Map of Canara and Malabar and various other documents particularly mentioned in the Memoir of the Construction, by C. Mackenzie, Capt. Engineers, Madras, 17th October 1802. No. 6. *Scale, 12 miles to 1 inch; size, 36 inches by 23.* MS.

Lawford's Survey.

Survey of a LINE of ROAD from BELLARY to ARCOT. April 1841. Signed, E. Lawford, Captain Civil Engineer, 3rd Division. *Scale, 1 mile to 1 inch; in 3 sheets, marked Parts I., II., III.* MSS.

Part I. From Bellary to Baugopully. *Size, 113 inches by 15.*
Part II. From Baugopully to Palamanair. *Size, 79 inches by 19.*
Part III. From Palamanair to Arcot. *Size, 51 inches by 19.*

Survey of a LINE of ROAD from CHITTOOR (North Arcot) to CUDDAPAH. Signed, E. Lawford, Captain Civil Engineer, 3d Division. 3rd May 1841. *Scale, 1 mile to 1 inch; size, 95 inches by 19.* MS.

Survey of the HIGH ROAD from MADRAS to BOMBAY, between Cuddapah and the River Tombuddura (in Bellary). Signed, E. Lawford, Lieut. Civil Engineer, 3d Division. No date. *Scale, 8,000 feet to 1 inch; size, 115 inches by 19.* MS.

Survey of a LINE of ROAD from BELLARY to DHANOOR (Belgaum), being part of a Route from the former station to Beejapoor. Signed, E. Lawford, Capt. Civil Engineer, 3d Division. 24th April 1841. *Scale, 1 mile to 1 inch; size, 96 inches by 18.* MS.

Survey of a LINE of ROAD froom GOOTY (Bellary) to BEEJAPOOR (Sholapore, Bombay Pres.). Signed, E. Lawford, Captain Civil Engineer, 3d Division, April 1841. *Scale, 1 mile to 1. inch; in 2 sheets, marked Part I., II.; size of each, 95 inches by 25.* MS.

General Maps of the Southern Districts.

Map of the following SOUTHERN DISTRICTS under the Company's management, viz., Tinnevelly, Ramnad, Shevagunga, Madura, and of the District of Tondiman. Reduced from the Original Surveys in the Surveyor General's Office at Madras. Colin Mackenzie, Surveyor General of India. Fort St. George. 1st December 1815. *Scale, 4 miles to 1 inch; size, 49 inches by 39.* MS.

*** These districts are now comprised in Tinnevelly and part of Madura.

Plan of the DISTRICTS of TANJORE, TRICHINOPOLY, COIMBATOOR, and MADURA, together with the Polliams of Nuttam (now in Madura District), and Manapara (now in Trichinopoly district). Compiled from the Surveys of the late Establishment of Revenue Surveyors, corrected and verified by the series of Triangles carried on by Major Wlliams Lambton. Signed W. Morison, Acting Surveyor General. Fort St. George, 14th October 1812. *Scale,* 4 *miles to* 1 *inch ; size,* 55 *inches by* 69. MS.

General Maps of the Ceded Districts.

Now forming the districts of 1, *Bellary* ; 3, *Cuddapah* ; *and* 7, *Karnul.*

Geographical and Statistical Map of the NORTH-EAST PART of the MYSORE DOMINION or the CEDED DISTRICTS, as they were ceded to the Honourable East India Company by the Treaty of Mysore of the 22nd June 1799, and by the Treaty of Hydrabad of the 12th October 1800, with the Limits and Boundaries of the several districts and purgunnahs, of the partition enumerated in the Schedule of Division and ascertained from actual inspection. The whole laid down from Surveys carried on in continuation of the Survey of Mysore, and completed in 1815. Under the Superintendency of the Mysore Survey, and afterwards under the direction of the Surveyor General's Department of Fort St. George. Signed, Colin Mackenzie, Surveyor General of India. Fort St. George, 1st November 1815. *Scale,* 4 *miles to* 1 *inch ; size,* 59 *inches by* 74. MS.

Statistic and Geographical Survey of the NORTH-EAST PROVINCES of the MYSORE DOMINIONS ceded to the Honourable English East India Company by the treaty of June 1799 ; and of the provinces south of the Toombudra and Kistna Rivers, ceded by His Highness the Nizam by the treaty of Hydrabad of 12th October 1800, the whole forming *The Ceded Provinces* under the presidency of Fort St. George under its Eastern and Western Divisions. From the Survey executed from 1809 till 1811 under the direction of the Superintendent of the Mysore Survey, and afterward from that period to this date under the direction of the Surveyor General's Department Fort St. George, accompanied with a general Map on a scale of 4 miles to an inch. Madras, 1st January 1816. Colin Mackenzie, Surveyor General of India. In 2 vols. folio, half bound. Vol 1., Eastern Division ; Vol. 2., Western Division ; containing registers of Villages, Statistic Tables, and Description of Limits.

*** The map mentioned in this title is not in the volumes, and is probably the foregoing.

Atlas of the PROVINCES ceded by the NIZAM in 1800 to the Honourable East India Company of England, from Surveys executed from 1809 to 1815. Compiled from the Original Surveys under the direction and on the proposition of Colin Mackenzie, Surveyor General in India. Fort William, 1st January 1820. Bound in one volume. *Size,* 39 *inches by* 30. MSS.

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* No. 1. General Map of the Ceded Districts. *Scale,* 4 *miles to* 1 *inch.*

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* „ 18. Punganoor.

*** Nos. 1, 4, 16, 18, although in the Contents are not in the Atlas and have never been bound with it. All the Maps, except No. 1, are on the scale of 2 miles to 1 inch.

General Map of the Circars.

Surveys in the CIRCARS. By Mr. Topping, Captain Caldwell, and Major Beatson. Inscribed to the Board of Revenue by Major Beatson. 1799. With a separate section. *Scale,* 6 *miles to* 1 *inch; size,* 22 *inches by* 30. MS.

*** Now included in Godavari and Krishna Districts.

1. BELARY DISTRICT.

Including fifteen Taluks. The Revenue Survey of this district has not yet appeared.

Plan of HUMPE (on the Toongabudra R.). Surveyed and drawn by Hunnoomansing, Private Guide, Quartermaster-General's Department, C. D., Bellary, 10th Sept. 1860. *Scale,* 200 *feet to* 1 *inch; size,* 43 *inches by* 44. MS.

Sketch Map, showing the PORTIONS of ROAD in the BELLARY DISTRICT, as called for by a Memo. from Government, dated 5th January 1861. Deputy Chief Engineer's Office, Central Circle, D.P.W. Chepauk, 19th Jan. 1861. *No scale; size,* 12 *inches by* 12. MS. trace.

BELLARY CANTONMENT and BARRACKS:—

1. Bellary Cantonment, with the military roads diverging from it. Indian Atlas, sheets 58, 59.
2. Plan of the Upper and Lower Fort and Cantonments of Bellary. December 1856, corrected to 31st May 1866. *Scale,* 6 *inches to* 1 *mile; size,* 27 *inches by* 40.
3. Barracks for the Royal Artillery and European Infantry at Bellary. *Scale,* 10½ *feet to* 1 *mile; on* 20 *sheets; size of each,* 30 *inches by* 22.

HOSPITAL at BELLARY, to contain 132 Patients. Plan, elevation, and section. Lithographed at the Royal Engineer Establishment, Chatham, 1853. *Size,* 22 *inches by* 30.

Manual of the BELLARY DISTRICT, compiled under the orders of Government, dated 9th September 1869, No. 2,246, by John Kelsall, Madras Civil Service, Acting Sub-Collector, North Arcot. With a Map. Madras, 1872. 8vo. cloth.

2. CHENGALPAT DISTRICT.

Including six Taluks.

A Map of the COUNTRY extending along the COAST, nearly up to MADRAS on the north, and to Pondicherry on the south, and westward to a meridian a little beyond Arcot. It is named "Plan B." only. *Scale,* 2 *miles to* 1 *inch; size,* 28 *inches by* 35. MS.



Map of the SEA COAST from MADRAS to DOOGOORAZPATAM, with the Pulicat and Armogham Shoals, and a part of the Pulicat Lake and Back Waters up to Doogoorazpatam ; showing also the track of the proposed Canal for extending the Inland Navigation from Madras through the Lake. Copied in the Surveyor-General's Office, Madras, 3rd October 1822. *Scale*, 4,000 *feet to* 1 *inch ; size*, 95 *inches by* 35. MS.

Descriptive and historical papers relating to the SEVEN PAGODAS on the COROMANDEL COAST. By William Chambers, Esq. ; J. Goldingham, Esq. ; Benjamin Guy Babington, Esq., M.D., F.R.S. ; Rev. G. W. Mahon, M.A. ; Lieut. John Braddock ; Rev. W. Taylor ; Sir Walter Elliot, K.S.C.I. ; C. Gubbins, Esq. Edited by Captain M. W. Carr, Madras Staff Corps, Madras, 1869. Letter-press, and 23 plates, folio ; with a map entitled—

Sketch of MAVALIVARAM, otherwise called the SEVEN PAGODAS, and of the village of SALUVAN KUPPAM, on the COROMANDEL COAST. To illustrate a collection of Descriptive and Historical Papers republished by order of the Madras Government, 1869. *Scale*, 16 *inches to* 1 *mile ; size*, 40 *inches by* 27.

MADRAS REVENUE SURVEY OF MADRAS* DISTRICT.

I. TALUK MAPS IN MADRAS* DISTRICT.

Map of the SYDAPET TALUK, MADRAS* DISTRICT, reduced from the maps of the Revenue Survey, executed in 1867 and 1868. By Major W. Barber, 33rd M. N. I., Dept. Supt. Rev. Survey. *Scale*, 2 *inches to* 1 *inch ; size*, 64 *inches by* 51.

II. VILLAGE MAPS IN MADRAS* DISTRICT.

1. *Villages in Chengalpat Taluk.*

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3. *Villages in Sydapet Taluk.*

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* Now Chengalpat District.

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4. *Villages in Trivellur Taluk.*

Egattur Zemindari - - - No. 18

3. COIMBATORE DISTRICT.

Including ten Taluks. The Revenue Survey is in a forward state, but only two village maps have been lithographed and sent to the India Office.

Skeleton Map of SOUTH COIMBATOOR, showing the Sections of the Survey as executed in 1821, '22, and '23. B. S. Ward, Assistant, Surveyor-General's Department. *Scale*, 4 *miles to* 1 *inch ; size*, 18 *inches by* 28. MS.

The Central part of COIMBATORE, between the BOVANI and NOYEL RIVERS, with areas and a table of distances. *Scale*, 1 *mile to* 1 *inch; size*, 40 *inches by* 70. MS.

PAROONTHORAY (Perundurai) TALOOK. *Scale*, 1 *mile to* 1 *inch; size*, 30 *inches by* 34. MS.

Plan of the ERODE TALOOK. Surveyed and submissively inscribed to W. Garrow Esq., Collector of the Coimbatore Districts, by his most obedient, very humble, and faithful servants, S. Godfrey, W. Keyes, and C. Mc Mahon, Assistant Revenue Surveyors. 1810. *Scale*, 1 *mile to* 1 *inch; size*, 23 *inches by* 36. MS.

Plan of Part of the SATTIMUNGALUM and DANAIKENCOTA TALOOKS * * * by W. Keyes and C. McMahon. 1811. *Scale*, 1 *mile to* 1 *inch; size*, 18 *inches by* 43. MS.

Map of SOUTH COIMBATOOR and a portion of Country North of the River Noyel, surveyed in 1821, '22, and '23. B. S. Ward, Assistant, Surveyor-General's Department. *Scale*, 1 *mile to* 1 *inch.* MSS., in 5 parts, marked, A., B., C., D., E.:—

A. Coimbatoor and the Noyel River. *Size*, 16 *inches by* 46.
B. Polachy and the Annamullay Mountains to the South. *Size*, 49 *inches by* 22.
C. Pulladum, Kangyam, and Caroor. *Size*, 16 *inches by* 68.
D. Oodumullacutta and the Ambrawutty River. *Size*, 47 *inches by* 21.
E. Darrapooram, Kaniwaddy, and Aravakoorchy. Title and explanation. *Size*, 21 *inches by* 56.

Geographical and Statistical Memoir of the SURVEY of the DISTRICTS of the COIMBATOOR PROVINCE, situated South of the Noyel River. Surveyed, under the superintendence of Captain B. S. Ward, from November 1821 to February 1824. Copied from the original Documents forwarded to the Surveyor-General of India, 30th September 1826, signed D. Montgomerie, Deputy Surveyor-General. In 1 vol. folio, half-bound. MS.

Anamally Mountains.

A Map of MICHAEL'S VALLEY and adjoining hills, Upper Anamally Plateau. Surveyed and drawn by J. C. Hannyngton, Esq. C.S. *Scale, 1 mile to 1 inch; size, 16 inches by 12.* The same reduced to 2 miles to 1 inch.

Six Photographic Views of MICHAEL'S VALLEY and other parts of the Anamally Mountains. In 1 paper packet, referred to in letter Nov. 24, No. 4 of 1874, Forests.

——Report on the High Ranges of the Annamullay Mountains. By Lieut. Colonel Douglas Hamilton, Madras Army. 8vo., 19 pages, sewed.

*** *See also* Cleghorn's Forests of India, 1861.

Revenue Surveys. Village Maps in Coimbatore Táluq. Scale, 5 chains to 1 inch.

No. 235. Badabilli. 1861.

No. 16. Irumbarai. 1861.

4. CUDDAPAH DISTRICT.

Including eleven Taluks. The Revenue Survey is in progress, but the following only has been lithographed and sent to the India Office.

Map of the CUDDAPAH DISTRICT, showing the new Boundaries of Taluqs. Chepauk, February 1853. *Scale, 2 miles to 1 inch; size, 66 inches by 57.*

A Manual of the DISTRICT of CUDDAPAH in the PRESIDENCY of MADRAS. Compiled and edited by J. D. B. Gribble, M.C.S., Acting Sub-Collector of the Cuddapah District. Madras, 1875. With a map. 8vo., cloth.

5. GANJAM DISTRICT.

Including three Taluks, with an area of 1,941 square miles, and Zemindaries, &c. extending over 2,246 square miles.

GANJAM SURVEY. *Scale, 1 mile to 1 inch.* Original Field Sections, lettered A. to P. By C. Snell, Captain, Surveyor. Dated 1834. *In 19 sections of various sizes, each about 25 inches by 21.* MSS.

"Key to the GANJAM SECTIONS" (being an Index Map to the foregoing Survey. *Scale, 6 miles to 1 inch; size, 25 inches by 19.* MS.

Report of the SURVEY of GOOMSUR in 1836–37. Introductory Letter. Geographical Notice. The Khond Malias. Sooradah Zemindary. Runnabah. Corada. Ponderkhol. Komerabady and Gooloodoye. General remarks. List of Passes to the Khond country. Routes to the Khond country above the Ghauts. Report on the general face of the country in Boad, Chokapad, &c. Routes. Statistics. Route from Coomaracoo, near Woodigerry, and general description. Routes from Nowgam in Goomsur to Nagpoor, and from Nagpoor to Goonipoor in Jeypoor, with remarks. Prices in Ryepoor and Bundara bazaars. Notes on the countries between Ganjam and Nagpoor. Letter from Lieut. Hill, dated Ganjam, 2nd July 1838, containing geographical notes and remarks on the repression of human sacrifices. By Lieut. C. T. Hill, Assistant Surveyor-General. *Foolscap folio, unbound.*

A Sketch of the OPERATIONS in GOOMSUR during January, February, March, April, May, and June, 1836, marked No. 2. Signed C. T. Hill, Lieut., Assistant Surveyor-General. *Scale*, 2 *miles to* 1 *inch; size*, 28 *inches by* 42. MS.

A Sketch, showing the RELATIVE POSITION of the ZEMINDARIES on the FRONTIERS of GOOMSUR, marked No. 1. Signed C. T. Hill, Lieut., Assistant Surveyor-General, 1836. *Scale*, 8 *miles to* 1 *inch; size*, 21 *inches by* 28. MS.

GANJAM SURVEY. *Scale*, 1 *mile to* 1 *inch*. Original Field Sections, numbered 1 to 8. By Capt. C. T. Hill, Assistant Surveyor-General. Ganjam, 1840. S.G.O. Allahabad, 1845. No title. *In* 8 *sections of various sizes, each about* 26 *inches by* 21. MSS.

*** Parts of Goomsoor, Soorada, &c. between N. Latitudes 19° 40′ and 20° 20′, and E. Longitudes 84° 10′ and 84° 55′.

GANJAM SURVEY. A Survey of Corada, Darungabady, West of Soorada. *Scale*, 2 *miles to* 1 *inch*. By Capt. C. T. Hill, Assistant Surveyor-General. S.G.O., Allahabad, 1845. *Size*, 25 *inches by* 22. MS.

GANJAM SURVEY. Map of the Country between Oodagherry (in Chinna Kimidi), Goonipoorum and Godairy (in Jeypoor). No title. Surveyed and drawn by Sub-Assistant Surveyors R. Howard and C. Snell. Dated Berhampore, 1st October 1845. *Scale*, 2 *miles to* 1 *inch; size*, 24 *inches by* 38. MS.

GANJAM SURVEY. Continuation of the foregoing Map to the West. The Country about Buttelly, Ryaguddah, and Narainputnum (in Jeypore). Surveyed and drawn by Sub-Assistants Surveyors R. Howard and C. Snell. Dated Berhampore, July 1847. *Scale*, 2 *miles to* 1 *inch; in* 2 *sections, marked* 1 *and* 2. *Size of No.* 1, 25 *inches by* 38 *size of No.* 2, 22 *inches by* 19. MSS.

GANJAM SURVEY. Season 1855–56. *Scale*, 1 *mile to* 1 *inch*. Part of Sumbulpoor, Central Provinces. No title. *In* 4 *sheets, marked Nos.* 1, 2, 4 (*No.* 3 *missing*). *Size of each*, 40 *inches by* 27. Original MSS.

GANJAM SURVEY, No. 2. party. Season 1856–57. *Scale*, 1 *mile to* 1 *inch*. Ryghur and Sumbulpoor. A portion formerly of S. W. Frontier Agency of Bengal, now in the Central Provinces. *In* 8 *sheets, numbered* I., II., IV., V., VI., VII., VIII., *of various sizes, about* 22 *inches by* 21. MSS.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY. *On the scale of* 1 *mile to* 1 *inch*. Original MSS.

Season 1860–61. Five sheets, I., , III., IV., ; Portions of Goomsoor, Pedda and Chinna Kimidi, and Bodogodo, in Ganjam; Jeypur, in Vizagapatam; Patna in Cuttack; and Kalahandi, in Nagpur. *Size of each sheet*, 39 *inches by* 26.

Season 1861–62. Portion of Bodogodo, in Ganjam.

NOTE.—This portion was left blank in the compiled Map of Season 1860–61, and should be attached thereto, as an extra sheet. *Size*, 28 *inches by* 22.

Season 1861–62. Sheets I., II., III., IV., V. Portions of Chinna Kimidi, in Ganjam; Jeypur, in Vizagapatam: and Kalahandi, in Nagpur. *In* 5 *sheets; size of each*, 24 *inches by* 33.

Season 1862–63. Portions of Chinna Kimidi, in Ganjam (Jeypore Agency); and Kalahandi, Patna, Karial (Kariar), Bodosamar (Borasambar), and Phuljer (Phuljhar), in Nagpur (Central Provinces). *In* 10 *sheets; scale*, 1 *mile to* 1 *inch*.

Season 1863–64. Sheets 1, 2, 3, 4, 5, 6, 7. Portions of Kalahandi, Karial, Noagarh, Patna, and Bodosamar, *Independent* (or native) States *under* Sumbulpur and of Raipur, in Chatisgurh Division, Central Provinces. *In* 7 *sheets; size of each*, 25 *inches by* 34.

Season 1864–65. Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Portions of Raipur, Belaspur, and Sumbulpur Districts, in Chatisgurh Division, Central Provinces. *In* 10 *sheets; size of each, about* 24 *inches by* 40.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY. *Scale,* 1 *mile to* 1 *inch. Photozincographs of the original drawings. Size of each sheet,* 24 *inches by* 36 ; *price* 2*s. each.* The following are published :—

Surveys executed in 1865–6 :—Sheets 1, 2, 3, 4, 5, 6, 7, 8.
„ in 1866–7 :—7 :—1, 2, 3, 6.

GANJAM AGENCY TOPOGRAPHICAL SURVEY.* Seasons 1870–71. *Scale,* 1 *mile to* 1 *inch.* Photozincographs. *Size of each,* 25 *inches by* 39.

Sheet 2. Parts of Purla and Pedda Kimidi.
„ 3. Parts of Gunipur and Purla Kimidi. This sheet is headed " Vizagapatam and Ganjam Agencies Topographical Survey."*
„ 5. Part of Purla Kimidi.
„ 7. Parts of Jeypur, Panchipenta, and Salur. This sheet and No. 8 are headed " Vizagapatam Agency Topographical Survey."*
„ 8. Part of Vizianagram and Panchipenta.

Index to the Sheets and Sections of the GANJAM and ORISSAH as well as the VIZAGAPATAM AGENCY and CENTRAL PROVINCES Topographical Survey, executed from season 1850, by Colonel G. H. Saxton, Capt. G. C. Depree, Mr. J. Dyer, and Mr. J. O. Nicholson, Surveyors in charge. *Scale,* 16 *miles to* 1 *inch ; size,* 30 *inches by* 36.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY. *On the (reduced) scale of* 4 *miles to* 1 *inch.*

Portions of Chinna Kimidi in Ganjam and Kalahandi, Patna, Karial, Bodosamar, and Phuljer in Central Provinces. Season 1862–63. *Size,* 33 *inches by* 23. MS.

Portions of Kalahandi, Karial, Noagarh, Patna, Bodosamar, and Raipur in Central Provinces. Season 1863–64. *Size,* 26 *inches by* 24. MS.

Portions of Raipur, Belaspur, and Sumbulpur Districts in Chatisgurh Division, Central Provinces. Season 1864–65. *Size,* 39 *inches by* 25. MS.

Portions of Noagarh, Konker, Karial, and Raipur in Chateesgurh and Bastar Dependency of Central Provinces, and Jeypur or Vizagapatam Agency. Season 1865–66. *Size,* 23 *inches by* 31. Photograph.

Ganjam Roads.

Sketch Map showing the direction of the proposed line (of road) from CHICACOLE to ITCHAPOOR *viâ* SUNTOSHAPORAM, and its connexion with existing communications. 1855. *Size,* 18 *inches by* 18. On tracing cloth. MS.

Sketch Map showing the direction of the proposed line (of road) from CHICACOLE to CHITTIRALSA, and its connexion with existing communications. *Size,* 11 *inches by* 17. On tracing cloth. MS.

MADRAS REVENUE SURVEY OF GANJAM.

District Map.

Sketch Map of the GANJAM DISTRICT. Madras, July 1869. *Scale,* 5 *miles to* 1 *inch ; size,* 36 *inches by* 24.

* NOTE.—There are three different headings on these five sheets. The Index Map to this series in the Topographical Surveys Report for 1873–4 gives it another name, viz., "The Vizagapatam Agency and Central Provinces (new Series) Topographical Survey."

Village Maps.

Villages in Kimidi Taluk.

SOMARAJAPURAM, No. 53. 1865. MS.

6. GODAVARI DISTRICT.

Including nine Taluks.

Map of a Survey of the RAJAHMUNDRY* CIRCAR, under the Presidency of Fort St. George. Executed during the years 1821, '22, '23, and '24 by Captain C. Snell, aided by Assistant Surveyors M. Dunnigan, T. Anderson, and C. Barnett. Reduced from the original sections of that Survey on a scale of one mile to an inch. S.G.O., Madras, 3rd September 1831. *Scale,* 2 *miles to* 1 *inch; size,* 50 *inches by* 53. MS.

RAJAHMUNDRY* SURVEY. Field copy. *Scale,* 1 *mile to* 1 *inch.* In seven sections, marked A., B., C., D., E., F., G.:—

A. Ashwarowpetta. *Size,* 50 *inches by* 20.
B. Gorge of the Godavery. *Size,* 50 *inches by* 24.
C. Rajahmundry. *Size,* 53 *inches by* 24.
D. Mogultoor. *Size,* 48 *inches by* 26.
E. Delta of the Godavery. *Size,* 48 *inches by* 24.
F. Yanam, Coringa. *Size,* 39 *inches by* 25.
G. Kakeenada. *Size,* 55 *inches by* 36.

MSS.

Measured Routes in the RAJAMUNDRY* DISTRICT, in two parts, connected with the Survey of that district, executed in 1821, '22, and '23, under the superintendence of Captain C. Snell. With maps. Geographical and Statistical Memoir of the Rajamundry District in four books: 1. Memoir of the Survey; 2. Description of the Boundary; 3. and 4. Village Register. In two vols. folio, one is half bound; the other, including the Village Register, is in a stiff blue paper cover. MSS.

A rough Sketch of the EASTERN PORTION of the GODAVERY DISTRICT, showing the irrigation and drainage channels. No title, date, or scale. *Size,* 14 *inches by* 20. MS.

Plan of the Port and Town of Kakinada (Cocanada) shewing the proposed improvements, &c. 1860. *Scale,* 100 *feet to* 1 *inch; size,* 27 *inches by* 21. MS.

Referred to in letter to Secretary of State of 8th May 1860, No. 25. *See also* pages 555, 592, 595.

MADRAS REVENUE SURVEY OF GODAVARI DISTRICT.

I. TALUK MAPS *on the scale of* 1 *inch to* 1 *mile.*

Map of the AMALAPUR TALUK, GODAVERY DISTRICT, reduced from the Maps of the Revenue Survey, executed in 1859 and '60. By Capt. W. Crewe, 32nd M.N.I., Deputy Superintendent Revenue Survey; and Messrs. J. H. Wright and H. O. C. Cardozo, Assistant Superintendents. With a list of the Villages, their area, and the extent of their cultivation. *Scale,* 1 *mile to* 1 *inch; size,* 46 *inches by* 50.

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* The town of Rajahmundri is now the capital of the Godavari District.

Maps of the following TALUKS in this District are also published with similar titles, and in a uniform style :—

Narsapur.	Tanuku.
Rajamundry.	Undi, now Bhimavaram.
Ramachendrapur.	Yernagudam.

II. Hydrographic Maps.

Hydrographic Map of the UNDI TALUQ in the GODAVERY DISTRICT. Reduced from the Revenue Survey Maps. 1860. With a list of the Villages, their areas, and the extent of cultivation. *Scale,* 1 *mile to* 1 *inch ; size,* 32 *inches by* 42.

HYDROGRAPHIC MAP of the CENTRAL DELTA of the Godavery District shewing the Irrigation and Drainage Channels. 1861–70. *Scale,* 2 *miles to* 1 *inch ; size,* 25 *inches by* 27.

HYDROGRAPHIC MAP of the EASTERN DELTA of the Godavery District, shewing the Irrigation and Drainage Channels. 1870. *Scale,* 2 *miles to* 1 *inch ; size,* 18 *inches by* 24.

III. Village Maps, arranged in Taluks.

Scale, 4 *inches to* 1 *mile.*

1. *Villages in Amalapur Taluk.*

Ainapuram - - -	No. 156
Ainavalli lanka - - -	„ 86
Allavaram - - -	„ 114
Annampalli, &c. - -	„ 95
„ - -	„ 153
„ - -	„ 157
„ - -	„ 158
„ - -	„ 160
Amlapuram - - -	„ 76
Ankampalem - - -	„ 11
Atreyapuram - - -	„ 8
Bandarulanka - - -	„ 69
Bantumilli - - -	„ 145
Bhatuavilli - - -	„ 82
Bhimanapalli - - -	„ 108
Billakurru - - -	„ 46
Bodasakurru - - -	„ 115
Bramhasamedhiem - -	„ 169
Challapalli and Surasaniyanam -	„ 130
„ „ -	„ 131
Cheyer - - - -	„ 142
Chinagadavalli - - -	„ 140
Chintallanka - - -	„ 51
Chintapallilanka - -	„ 94
Chirrayanam - - -	„ 149
Chirtapudi - - -	„ 58
Devaguptam - - -	„ 122
Devarapalli - - -	„ 106
Dontikurru - - -	„ 152
Gadilanka - - -	„ 96
Gangalakurru - - -	„ 70
Geddanapalli - - -	„ 151
Godi - - - -	„ 118
Godilanka - - -	No. 125
Gollavilli - - -	„ 136
Gopavaram - - -	„ 129
Gapayalanka - - -	„ 116
Goraganamudi - - -	„ 143
Gunnepalli - - -	„ 66
„ - - -	„ 105
Guttinadivi - - -	„ 165
Guttinadiru Vemavaram -	„ 166
Idarapalli - - -	„ 77
Immidivarappad and Gudala -	„ 112
„ „ -	„ 113
Indupalli - - -	„ 78
Irumanda - - -	„ 147
Irusumanda - - -	„ 55
Jagannadhapuram - -	„ 101
Janupalle - - -	„ 75
Kamini - - -	„ 90
Kandicuppa (2 parts) - -	„ 150
Katarlanka - - -	„ 35
Katrenikona - - -	„ 148
Kattunga - - -	„ 9
Khandrika - - -	„ 45
Komanapalli - - -	„ 93
Komaragiri - - -	„ 162
Komaragiripatnam (2 parts) -	„ 120
Komarazlanka, &c. - -	„ 17
„ - -	„ 18
„ - -	„ 19
„ - -	„ 20
„ - -	„ 22
„ - -	„ 23
„ - -	„ 24

Komarazlanka, &c. - -	- No. 25
” - -	- ” 26
” - -	- ” 27
” - -	- ” 28
” - -	- ” 29
” - -	- ” 30
” - -	- ” 31
” - -	- ” 32
” - -	- ” 39
” - -	- ” 40
” - -	- ” 41
” - -	- ” 42
Korumillipad - -	- ” 37
Kottalanka - -	- ” 97
Kottapalli - -	- ” 167
Kotipalli - -	- ” 88
Krapachintalapudi -	- ” 99
Kunavaram - -	- ” 134
Kunchanapalli - -	- ” 154
Kundaleswaram -	- ” 155
Lakshmipalavaram -	- ” 21
Lakshmivada - -	- ” 141
Lolla - - -	- ” 12
Lutukurtitippa - -	- ” 117
Machavaram - -	- ” 61
Madupalle - -	- ” 50
Modekurru - -	- ” 47
Mogallamori - -	- ” 123
Mosalapalli - -	- ” 71
Mungonda - -	- ” 62
Mungondapalem (2 parts)	- ” 36
Munjavaram - -	- ” 63
Mumidivaram - -	- ” 98
Munupalle - -	- ” 138
Nadupudi - -	- ” 73
Nallamilli - -	- ” 74
Nandampudi - -	- ” 65
Nangavaram - -	- ” 107
Narikedamilli (2 parts) -	- ” 10
Nedunur, &c. - -	- ” 53
” - -	- ” 54
” - -	- ” 56
” - -	- ” 84
” - -	- ” 94
” - -	- ” 100
” - -	- ” 102
” - -	- ” 103
” - -	- ” 104
Nimmakayalakottapalli -	- ” 132
Palagummi - -	- ” 72
Pallamkurru (2 parts) -	- ” 168
Pasumalle - -	- ” 49
Pasuvullanka - -	- ” 161

Pata Injiram - -	- No. 163
Pedgadavalli - -	- ” 139
Pedapudi - -	- ” 60
Penumalle - -	- ” 144
Peravaram - -	- ” 1
Perurukonkapalli -	- ” 79
Palavaram - -	- ” 159
Pora Pande and Molletimoga	- ” 170
” ”	- ” 171
” ”	- ” 172
Potavaram - -	- ” 38
Pulidindi - -	- ” 5
Pulletikurru - -	- ” 57
Rali - - -	- ” 14
Ravulapalem Utalanka (2 parts)	” 16
Razavaram - -	- ” 2
Rellugedda - -	- ” 126
Sakurru - -	- ” 68
Samanasa - -	- ” 80
Samantakurru - -	- ” 121
Sanapalli lanka - -	- ” 89
Sannavilli - -	- ” 137
Settipalli - -	- ” 111
Siragatlapalli - -	- ” 119
Siripalli - -	- ” 85
Tadikona - -	- ” 128
Tandavapalli - -	- ” 110
Tanelanka - -	- ” 92
Tondavaram - -	- ” 64
Tottaramudi - -	- ” 87
Turpulanka - -	- ” 124
Uppalaguptam - -	- ” 133
Vadapalim - -	- ” 43
Vadapalli (2 parts) -	- ” 13
Vadaparru - -	- ” 135
Vaddiparru - -	- ” 4
Vakkalanka (2 parts) -	- ” 48
Vainateyamkottapalli lanka	- ” 34
Vaknlagaruvu - -	- ” 67
Vanapalli - -	- ” 44
Vannechintalapudi -	- ” 109
Vasantavada - -	- ” 6
Velicher - -	- ” 3
Velivelapalli (2 parts) -	- ” 52
Vemavaram - -	- ” 83
Vilasavilli - -	- ” 81
Vubalanka - -	- ” 15
Vuchili - - -	- ” 7
Vuppudi - -	- ” 146
Yedurlanka - -	- ” 164
Yentrukona - -	- ” 127
Yenugapalli (2 parts) -	- ” 33

2. *Villages in Ellore Taluk.*

Ambikapuram - -	- No. 80
Amudalachalaka -	- ” 89
Asanagudem - -	- ” 34
Bandamcherla - -	- No. 51
Barrikonda - -	- ” 69
Bhattuvarigudem -	- ” 59

Bhimadol	No. 110
Burugagudem	„ 133
Chandrannapalem	„ 107
Chataparru	„ 123
Chintalapudi	„ 91
Dadavalli	„ 6
Dasarivarigudem	„ 58
Dechavaram	„ 48
Dendulur (2 parts)	„ 120
Dharmajigudem	„ 108
Dorasanipad	„ 15
Dosapad	„ 121
Dwarakatirumala and Kommugudem	„ 18
„ „	„ 19
Ellore	„ 134
Erraguntapalli	„ 74
Errampalli	„ 93
Ganapavarigudem	„ 37
Ganicherla	„ 66
Gavaravaram	„ 135
Gokavaram	„ 44
Gokavaram akkupalli	„ 4
Gounepalli	„ 78
Gopalapuram	„ 73
Gudikunta	„ 119
Gudipad	„ 90
Gudipadkhandrika	„ 75
Gundugolanu	„ 112
Gundugolanukunta	„ 17
Gunnampalli	„ 7
Guruvubhotlagudem	„ 83
Havelilingapalem	„ 25
Jagannadhapuram	„ 137
Jajulagunta	„ 8
Jalipudi	„ 124
Kaikaram	„ 1
Kalyanampadu	„ 95
Kamavarapukota	„ 29
Kanchanagudem	„ 50
Kantammapalem	„ 65
Kanupade	„ 97
Kasettivarigudem	„ 61
Katrampudi	„ 125
Kovvali (2 parts)	„ 122
Ketavaram	„ 52
Kondurupad	„ 3
Komirapalli	„ 114
Kommara (South)	„ 12
„ (North)	„ .14
Kottur	„ 132
Krottagudem	„ 117
Kottapalli	„ 13
Krustnaraupalem	„ 47
Krustnapuram	„ 55
Kuchampudi (2 parts)	„ 138
Lakshminarsimhapuram	„ 64
Lingagudem	„ 82
Lingaraupalem	„ 20
Lingaraupalem	No. 45
Lingapalem	„ 105
Malasanigunta	„ 9
Mallaraupalem	„ 102
Mallayagudem	„ 88
Malleswaram	„ 16
„	„ 104
Madepalli	„ 126
Mankenapalli	„ 33
Mathamgudem	„ 106
Mulagalampad	„ 40
Mupparru (2 parts)	„ 129
Muppavaram	„ 116
Nagulapalli	„ 109
Narasapuram	„ 56
Narasimhapuram	„ 99
Padshanagaram	„ 42
Palasigudem	„ 35
Patteyagudem	„ 79
Pedapad (2 parts)	„ 130
Petachintalapudi	„ 63
Pochavaram	„ 41
Ponukumadu	„ 101
Ponangi	„ 127
Potunur	„ 87
Potunur (2 parts)	„ 113
Pragadavaram	„ 103
Pulla	„ 2
Putrepi	„ 54
Raghavapuram (4 parts)	„ 81
Rallagunta	„ 11
Ramannapalem	„ 30
Ramannagudem	„ 24
Ramasingavaram	„ 139
Rangapuram	„ 39
Rangapuram khandrika	„ 76
Ranguvarigudem	„ 60
Ravikampadu	„ 32
Recherla	„ 72
Rudrakatrazgudem	„ 53
Sankachakrapuram	„ 43
Satyala	„ 5
Sattenagudem	„ 10
Satrampad	„ 136
Sayannaraupalem	„ 26
Settivarigudem	„ 71
Singavaram	„ 115
Sitanagaram	„ 77
Sivapuram	„ 86
Somavaram	„ 70
Sriramavaram	„ 46
„	„ 118
Surappagudem	„ 111
Tadikalapudi (4 parts)	„ 27
Tallagudem	„ 128
Talarlapalli	„ 92
Tedlam	„ 49
Tigalavantsa	„ 57
Timmapuram	„ 22

Tirumalampalem	No. 21
Uppalavarigudem	„ 38
Vadlapatlanutanam	„ 28
Vatlur	„ 131
Velagalapalli	„ 96
Vemulapalli	„ 36
Vengammapalem	„ 100
Venkammapalem	„ 98
Venkatadrigudem	No. 67
Venkatakrustnapuram	„ 23
Venkatapuram	„ 68
Venkatrayapuram	„ 85
Vurlagudem	„ 62
Yedavalli	„ 31
„	„ 94
Yendapalli	„ 84

3. *Villages in Narsapur Taluk.*

Adurru	No. 118
Antaravedi	„ 87
Appanapalli	„ 129
Appafamunilanka	„ 90
Atsanta	„ 5
Battelanka	„ 99
Betamallepudisavaram	„ 108
Bhimalapuram Lankas	„ 12
Botlakurrudoddavaram	„ 126
Chinamamidipalli	„ 60
Chintalapalli	„ 109
Deva	„ 4
Digumarru	„ 44
Doddipatla	„ 32
Doddipatla Lankas	„ 32
Ganavaram (2 parts)	„ 139
Geddada	„ 132
Goganamatham	„ 116
Gondi	„ 55
Gudapalli	„ 112
Gudimellanka	„ 93
Gummulur	„ 28
Gumparru	„ 30
Idarada	„ 121
Ilapakurru	„ 33
Irusumanda	„ 101
Jagannadhapuram	„ 18
Jinnur	„ 24
Kadali	„ 120
Kalagampudi	„ 54
Kalipatnam	„ 77
Karugorumilli Lankas	„ 11
Katrenipad	„ 114
Kattimanda	„ 97
Kavitam	„ 20
Kaza	„ 50
Kesanapalli	„ 113
Kodamanchile	„ 6
Koder (2 parts)	„ 8
Komarada	„ 119
Kopparru	„ 69
Kottapalli Lanka	„ 128
Kummarapurugupalem	„ 84
Kunavaram	„ 110
Lakkavaram	„ 102
Linganaboinacherla	„ 83
Losarigutlapad	„ 76
„ cultivation	„ 76
Lutukurru	No. 123
Machhapuri	„ 72
Machhapuripalem	„ 73
Madhavayapalem	„ 58
Makanapalem	„ 122
Makatapalli	„ 117
Malikipuram	„ 94
Mallavaram	„ 64
Mamidikuduru	„ 130
Manepalli	„ 137
Mattaparru (East)	„ 103
Medapad	„ 38
Mogalikuduru	„ 134
Mogaltur	„ 82
Mondepulanka	„ 138
Mori	„ 96
Mulaparru	„ 3
Mulikipalli	„ 111
Mutyalapalli	„ 79
„ cultivation 1st part	„ 79
Nagaram	„ 131
Navarasapuram	„ 57
Palagummi	„ 133
Panditavellur	„ 17
Paserlapudi Lanka	„ 124
Pedamallam Lankas	„ 7
Pedamamidipalli	„ 45
Pedapatnam	„ 127
Pedatippa	„ 92
Penumadam	„ 26
Penumanchili	„ 10
Podalada	„ 107
Podur	„ 16
Ponnamanda	„ 115
Ramarazlanka	„ 91
Rameswaram	„ 88
Razol (2 parts)	„ 105
Rustambada	„ 67
Senkaraguptam	„ 100
Sivakodu (2 parts)	„ 104
Sompalli	„ 106
Tatipaka	„ 135
Tundurru	„ 74
Turputallu	„ 85
Ullamparru	„ 25
Vadrevupalli	„ 136
Vallur	„ 13
Varidhanam	„ 46

Vedangi	No. 22	Vempa	No. 80
Velagaler	„ 19	Vemuladevi (2 parts)	„ 86
Velivela	„ 63	Viswesarayapuram	„ 98
Vemavaram	„ 14	Yenuguvanilanka	„ 52

*** The following numbers are wanting in the foregoing series :—1, 2, 9, 15, 21, 23, 27, 29, 31, 34, 35, 36, 37, 39, 40, 41, 42, 43, 47, 48, 51, 56, 59, 61, 62, 65, 66, 68, 70, 71, 75, 78, 81, 89, 95, 125. See the Map of Narsapur taluk for a complete list.

4. *Villages in Peddapur Taluk.*

Achutapuram	No. 63	Pedarayavaram	No. 42
Aminbada	„ 68	Pedasenkarlapudi	„ 11
Anur	„ 39	Peddapur (2 parts)	„ 26
Balavaram	„ 65	Peravaram	„ 8
Bhadravaram	„ 9	Potulur	„ 20
Chinabramhadevam	„ 37	Pulimer	„ 22
Divila	„ 21	Ragampeta	„ 25
Doddigunta	„ 54	Rallakhandrika	„ 59
Dontamur	„ 62	Ramanayapeta	„ 2
Gandepalli	„ 48	Rangampeta	„ 43
Gorintada	„ 23	Rangapuram	„ 60
Gudivada	„ 27	Ravutulapudi	„ 18
Guntuvanipalem	„ 4	Ravutupalem	„ 12
Ilakonu	„ 51	Rayabhupalapatnam	„ 35
Illapalli	„ 57	Rayavaram	„ 16
Jagapatinagaram	„ 17	Sinagmpalli	„ 55
Jaggannatimmapuram	„ 32	Sinagrampalem	„ 46
Kandrakota	„ 31	Sirivada	„ 29
Kapavaram	„ 66	Srotriyarayavaram	„ 36
Kattamur	„ 30	Subhadrammapeta	„ 53
Kattipudi	„ 19	Surampalem	„ 33
Kimmur	„ 5	Tirupatirajapuram (North)	„ 45
Kondapalli	„ 38	„ (South)	„ 50
Kotapad	„ 40	Tummalapalli	„ 58
Lakshmipuram (East)	„ 6	Vadisaler	„ 49
Lampakalova	„ 14	Vadlamur	„ 24
Lingamparti	„ 7	Valtimmapuram	„ 34
Mallepalli	„ 44	Venkatapuram	„ 41
Marripudi	„ 56	Virampalem	„ 64
Marritimmapuram	„ 10	Vulimeswaram	„ 28
Mukundavaram	„ 52	Vuttarakanchi	„ 13
Murari	„ 47	Wuppada	„ 67
Nallamilli	„ 61	Yellavaram	„ 3
Narendrapatnam	„ 1	Yellur	„ 15

5. *Village in Rajahmundry Taluk.*

Venkatrajapuram - - No. 15.

6. *Villages in Ramachendrapur Taluk.*

Addampalli	No. 70	Arevettam	No. 50
Aitampudi	„ 58	Arikarevula	„ 41
Alamur (2 parts)	„ 157	Artamur	„ 36
Ambikapalli	„ 81	Baduguvanilanka	„ 163
Amuzur	„ 117	Balabhadrapuram	„ 21
Anaparti	„ 25	Balantram	„ 69
Andrangi	„ 71	Bhatlapalika	„ 67
Angara (2 parts)	„ 145	Bhavaram	„ 76
Aratlakatla	„ 6	Bhimakrosupalem	„ 87

Bikkavol	No. 20
Bramhapuri	„ 65
Cheduvada	„ 52
Chellur	„ 127
Chinadwarapudi	„ 34
Chinamamidada	„ 46
Chintalur	„ 155
Chintapalli	„ 12
Choppella	„ 161
Draksharama	„ 107
Dwarapudi	„ 33
Gandredu	„ 13
Gangavaram	„ 103
Gollalamamidada	„ 15
Gollapalem	„ 51
Gummiler	„ 151
Ippanapad	„ 32
Jagannadhagiri	„ 73
Jagannaikulapalem	„ 108
Jannada	„ 160
Kaikavol	„ 5
Kalavacherla	„ 158
Kaler	„ 140
Kandregula	„ 8
Kandulapalem	„ 84
Kapavaram	„ 75
Kapileswarapuram Lankas	„ 144
Kasanbada	„ 85
Kazalur	„ 53
Kesavaram	„ 27
Khandrika (East)	„ 105
„ (West)	„ 143
Kolanka	„ 63
Komaripalem	„ 24
Konkuduru	„ 18
Koppavaram (2 parts)	„ 38
Korumilli (2 parts)	„ 120
Kota	„ 96
Kotipalli	„ 98
Kotipallikodavativarichinalankas	„ 98
Kotipalli Viravallipalem	„ 98
„ „	„ 99
Kulla	„ 100
Kumarapriam	„ 10
Kundur	„ 104
Kurada	„ 47
Kurmapuram	„ 124
Kutukulur	„ 132
Kuyer	„ 59
Kuyer Uppumilli and Duggi-durroo	„ 59
„ „	„ 60
„ „	„ 61
Lolla	„ 130
Modiki	„ 162
Mahendravada	„ 39
Mamidada	„ 55
Maredupaka	„ 134
Masakapalli	„ 66
Matukumilli	No. 54
Matsara	„ 121
Matsavaram	„ 128
Medapad	„ 2
Medapad and Palatodu	„ 30
„ „	„ 31
Mellur	„ 42
Mernipad	„ 28
Modukur	„ 150
Mutsumilli	„ 113
Nadurubada	„ 111
Nallur	„ 141
Narasapurapupeta	„ 44
Narsipudi	„ 148
Navabpeta	„ 149
Nelatur	„ 135
Nidasanametta	„ 138
Odur	„ 45
Paina	„ 17
Pallipalem	„ 62
Pamarru	„ 118
Panangipalli Kurakallapalli	„ 116
„ „	„ 125
Pandalapaka	„ 22
Pasalapudi	„ 112
Pedabramhadevam	„ 3
Pedapalla	„ 152
Pedaparru	„ 133
Pedapudi	„ 4
Peddada	„ 14
Peker	„ 68
Peniker	„ 159
Penumalla	„ 72
Pillanka	„ 64
Pinapalla	„ 153
Polamur	„ 37
Pulugurta	„ 136
Puttakonda	„ 11
Ramachendrapuram	„ 110
Ramavaram	„ 131
Razpalem	„ 16
Sahapuram	„ 7
Sampara	„ 9
Sandipudi	„ 154
Satyavada	„ 101
Siripuram	„ 78
Sivala	„ 93
Someswaram	„ 129
Sundarapalli	„ 97
Tadepalli	„ 79
Tamarapalli	„ 102
Tanumalla	„ 57
Tapeswaram	„ 35
Tarlampudi	„ 56
Tatapudi (2 parts)	„ 156
Teki	„ 122
Tossipudi	„ 23
Totapeta	„ 86
Tsodavaram	„ 82

7. *Villages in Tanuku Taluk.*

* These villages are, according to the maps, in Relangi zemindari.

Malleswaram	No.	81
Mandapaka*	„	56
Mamudur	„	124
Manchili	„	130
Markondapad	„	2
Maruter	„	111
Minavillur	„	139
Morta*	„	27
Moyer	„	135
Muddapuram	„	45
Mudunur	„	149
Mukkamala	„	68
Munamarru	„	109
Munupalli*	„	31
Muppavaram*	„	16
Muppartipad	„	134
Nadupalli*	„	29
Narsimha apparavupuram	„	165
Navabpalem	„	46
Neggipudi	„	112
Nelamur	„	118
Nandamur*	„	25
Nandigampad*	„	3
Nelatur*	„	1
Nidadavol*	„	18
Padala	„	168
Paidiparru*	„	57
Palangi*	„	63
Palmar	„	128
Pali	„	93
Palur	„	132
Pandulaparrulankas* (2 parts)	„	12
Parimella	„	158
Pasalapudi	„	42
Peker	„	80
Pendyala*	„	33
Pentapad	„	152
„	„	154
Penugonda	„	102
Peravalli	„	69
Pippara	„	138
Podalada	„	121
Purushottapalli* (2 parts)	„	11
Racherla	„	144
Ramannapalem	„	107
Rameswaram	„	96
Rapaka*	„	77
Ratsur	„	162
Ravipad	No.	143
Ravulaparru	„	174
Relangi	„	92
Satyavada*	„	43
Satyavaram	„	114
Sajapuram*	„	58
Senkarapuram*	„	20
Settipeta	„	22
Siddhantam	„	105
Singanamuppavaram*	„	4
Singavaram	„	23
Skinnerpuram	„	127
Surampudi	„	76
Suryaravupalem	„	44
Tadiparru*	„	39
Tallamudunurpad	„	151
Tallapuram	„	179
Tamarada	„	108
Tanuku	„	65
Tetali	„	59
Timmarazpalem*	„	19
Tiparru*	„	37
Tirupatipuram	„	140
Umamaheswaram	„	156
Undrajavaram*	„	40
Ungutur	„	175
Unikili	„	126
Usulamarru	„	36
Vadali	„	104
Vaddur	„	60
Vadur	„	117
Vallurpalli	„	145
Vanampalli	„	113
Varighed	„	53
Velagadurru	„	38
Velivennu*	„	30
Velpur	„	90
Vemavaram	„	64
„	„	82
Venkatadriapparavupuram	„	164
Venkatramapuram	„	103
Vijheswaram*	„	10
Vipparru (East)	„	75
„ (West)	„	159
Vogidi*	„	85
Yagarlapalli	„	167
Yallamilli	„	170
Yanatapalli	„	157

8. *Villages in Undi Taluk.*†

Adivikolanu‡	No.	141
Aibhimavaram	„	94
Akuvidu‡	„	98
Amudalapalli‡	„	145
Anakoderu	„	51
Andalur	No.	25
Annavaram	„	57
Aratlakatla	„	17
Ardhavaram‡	„	113
Aredu‡	„	109

* These villages, according to the maps, are in Relangi zemindari.
† This taluk appears to be named Bhimavaram in the Madras Census.
‡ These villages, according to the maps, are in Kykalur zemindari.

Artamur	No. 103
Azzamur*	„ 96
Bainepalli*	„ 147
Ballipad	„ 9
Balusumudi	„ 49
Bavayapalem*	„ 126
Betapudi	„ 33
Bhimavaram	„ 54
Bobbanalanka	„ 13
Bondada	„ 76
Buvvanapalli*	„ 134
Chanamilli*	„ 127
Cherukugamana*	„ 118
Cherukumilli	„ 93
Chilukur	„ 62
Chinaamiram	„ 53
Chinakapavaram*	„ 105
Chinanindrakolanu*	„ 144
Chinapuller	„ 78
Chinaramachendrapuram*	„ 135
Chintaparru	„ 5
Chodavaram	„ 4
Devaragopavaram*	„ 146
Dharmapuram*	„ 100
Doddanapudi	„ 87
Duggulur	„ 8
Dumpagadapa*	„ 99
Emunepalli	„ 34
Ganapavaram*	„ 124
Garagaparru	„ 42
Gollalakoder	„ 59
Gopavaram* (Agraharam)	„ 117
Goraganamudi	„ 37
Gorlamudi	„ 48
Gummulur*	„ 104
Gunupudi	„ 45
Ilampudi	„ 75
Jagannadhapuram	„ 136
Jakkavaram	„ 77
Kakaramilli*	„ 131
Kakinada	„ 114
Kalavapudi (2 parts)	„ 89
Kaligotla*	„ 108
Kalisapudi	„ 81
Kalla (2 parts)	„ 85
Kallakur	„ 91
Kapavaram	„ 3
Karukuvada	„ 31
Kesavaram*	„ 116
Kolanapalli	„ 83
Kolamur*	„ 68
Kollaparru*	„ 101
Komarada	„ 47
Kommara*	„ 122
Kommuchikkala	„ 111
Kondepudi	„ 26
Konduvapad	„ 64
Konitivada	No. 20
Kopalli	„ 74
Korrapad	„ 30
Korukollu	„ 40
Kovada	„ 55
Krottapalli*	„ 111
Krovvidi*	„ 107
Krustnapuram* (Agraharam)	„ 128
Kumadavalli	„ 44
Kuppanapudi*	„ 95
Lankalakoder	„ 6
Madivada*	„ 97
Madugupolavaram	„ 18
Mahadevapatnam	„ 60
Maipa	„ 41
Mamidipudi (2 parts)	„ 88
Mandalaparru*	„ 137
Medavaram	„ 80
Mentipudi	„ 14
Mogallu	„ 39
Muggulla*	„ 115
Nadipalli	„ 32
Naganamilli*	„ 133
Namudur	„ 24
Narasimhapuram	„ 56
Narsimhapuram*	„ 139
Narasingarajapuram	„ 71
Nelapogula	„ 19
Nidamarru*	„ 138
Palakoder	„ 43
Palamur	„ 7
Pamulaparru*	„ 69
Panduvva*	„ 110
Panduvvakhandrika*	„ 66
Pedakapavaram*	„ 106
Pedaameram	„ 72
Pedanindrakalanu*	„ 143
Pedapuller	„ 79
Pedaramachendrapuram*	„ 132
Pennada	„ 36
Pratallameraka	„ 90
Putsalapalli	„ 86
Railam	„ 50
Rayakuduru	„ 16
Sanivada	„ 11
Saripalli*	„ 125
Siddapuram*	„ 129
Sisali (2 parts)	„ 84
Sivadevunichikala	„ 10
Srungavruksham	„ 29
Tader	„ 35
Taratava*	„ 102
Tillapudi	„ 12
Timmaravugudem*	„ 142
Tokalapalli*	„ 148
„	„ 22
Toler	„ 23

* These villages, according to the maps, are in Kykalur zemindari.

Undi	No. 70	Vemavaram	No. 21
Unudurru	„ 65	Vempad	„ 52
Uppulur*	„ 67	Vendra (2 parts)	„ 27
Vakapalli* (Mokasia)	„ 119	Vendra	„ 28
Valamarru	„ 2	Vireswarapuram*	„ 120
Vandram	„ 73	Viravasaram (3 parts)	„ 15
Varadarajapuram*	„ 112	Vissakoder	„ 38
Velivarru	„ 61	Vollur*	„ 121
Velagapalli*	„ 123	Yanamadurru	„ 46
Vellatur	„ 58	Yandagandi	„ 63
Venkatapuram*	„ 140	Yelurpad	„ 92

9. *Villages in Yernagudam Taluk.*

Amarangabad	No. 7	Krustnampalem	No. 71
Anantapalli	„ 57	Kumaradevam	„ 3
Arikarevula	„ 4	Kunavaram	„ 41
Arugolanu	„ 31	Kunchanapalli	„ 33
Arulla	„ 29	Madhavaram	„ 25
Avapad (2 parts)	„ 61	Mallavaram	„ 11
Aiyavaram	„ 66	Marampalli	„ 28
Ajjarala	„ 37	Marellamudi	„ 63
Bandapuram	„ 51	Nallacherla (2 parts)	„ 60
Chagallu	„ 18	Nallamadu (2 parts)	„ 62
Chandravaram	„ 10	Nandamur	„ 15
Chikkala (2 parts)	„ 49	Pallantla	„ 54
Chipurugudem	„ 59	Pangidigudem	„ 67
Dandigara	„ 26	Parimpudi (2 parts)	„ 72
Devarapalli (2 parts)	„ 53	Pasivedala	„ 14
Dommer	„ 16	Pasivedalajimma	„ 13
Dubacherla	„ 65	Pattennapalem	„ 43
Duddukur	„ 50	Peddireddigudem	„ 55
Ganapavaram	„ 74	Penakanametta	„ 2
Gavurupalli	„ 12	Potavaram	„ 56
Gopalapuram	„ 52	Prakkelanka lankas	„ 75
Isukapatta	„ 17	Prattipad	„ 32
Jagannadhapuram	„ 27	Ravimetta	„ 24
Jagganapeta	„ 40	Rajavaram	„ 68
Kadakatla	„ 36	Tadepalli	„ 38
Kadiyedda	„ 45	Tadimalla	„ 48
Kalavalipalli, Surapuram, and		Tadepalligudem	„ 35
Vunakaramilli	„ 20	Taduvoyi	„ 73
„ „	„ 21	Tirumalapuram	„ 69
„ „	„ 23	Togummi	„ 8
Katakuteswaram	„ 22	Unagatla	„ 19
Kavulur	„ 58	Vádapalli	„ 9
Ketavaram	„ 70	Vijeswarapuram	„ 1
Kommugudem	„ 44	Velagapad	„ 64
Konala	„ 30	Vemulur	„ 6
Konduprolu	„ 34	Virampalem	„ 42
Korumamidi	„ 46	Venkatramunigudem	„ 39
Kovvur	„ 5	Vissampalem	„ 47

* These villages, according to the maps, are in Kykalur zemindari.

7. KRISHNA DISTRICT.

Including twelve Taluks.

*Masulipatam Survey.**

Map of the COLLECTORATE of MASULIPATAM, including the Circars of Condapilly and Masulipatam, to which are added the small Districts of Moonagalah and Lingagerry insulated within the Nizam's Territories, also the several portions of the District of Gani-Atcoor belonging to the Nizam, included within the Company's Territories. The whole from actual Survey in 1816–17 by Assistant Surveyors Scott, Hamilton, and Summers. *Scale*, 4 *miles to* 1 *inch ; size*, 32 *inches by* 46. MS.

Three Sections of the MASULIPATAM (Krishna) SURVEY *Scale*, 1 *mile to* 1 *inch*. Received in 1818. No title. MSS.

D. 79. Davercotta. *Size*, 27 *inches by* 29.
D. 80. Auvinnagudda, Pt. Divy. *Size*, 22 *inches by* 27.
D. 81. Masulipatam. *Size*, 23 *inches by* 20.

Statistical Tables of the SURVEY of the GUNTOOR DISTRICT. 1817–18. Large oblong folio, half-bound. MS.

Report of the BOUNDARY between GUNTOOR and MASULIPATAM DISTRICT, along the KISTNA RIVER, dated 18th October 1850. Fcap., unbound. MS.

Plan of the FORT of MASULIPATAM, showing each separate holding. Surveyed under the orders of Captain R. T. Pratt, Deputy Superintendent Revenue Survey, Kistna District. Madras, 24th April 1860. *Scale*, 48 *inches to* 1 *mile, or* 110 *feet to* 1 *inch ; size*, 49 *inches by* 38. MS.

Plan of the FORT of MASULIPATAM. 1860. *Scale*, 130 *yards to* 1 *inch ; size*, 16 *inches by* 21. MS.

Guntoor Surveys.

Geographical and Statistical Memoir of the SURVEY of the MOORTEZANUGGUR or GUNTOOR CIRCAR, commenced by the officers of the Military Institution in the springs of 1815 and 1816, and resumed in August 1817 by a party of Assistant Surveyors under the superintendence of Lieutenant F. Mountford, 6th Regt. N. I. In 2 vols., folio, half bound. MS.

Map of the GUNTUR COLLECTORATE.† Surveyed partly by the officers of the Military Institution, and afterwards by a party of Assistant Surveyors under the superintendence of Lieut. F. Mountford, in the years 1815, '16, '17, '18, and '19. S.G.O., Madras, 22nd December 1827. *Scale*, 4 *miles to* 1 *inch ; size*, 43 *inches by* 38.

*** With a marginal register of the villages, and explanations. MS.

Map of the GUNTOOR CIRCAR, including that of NIZAMPATAM. Reduced from the original sections of the survey executed in 1817, '18, and '19. S.G.O., Calcutta, October 1827. *Scale*, 4 *miles to* 1 *inch ; size*, 34 *inches by* 40.

*** With a marginal register of the villages, and remarks. MS.

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* Masulipatam or Bundar is now a town and taluk of Krishna District. The name is here used in a larger sense which it has ceased to bear.

† Guntoor is now a town and taluk in Krishna District. It is here used in a larger sense which it has ceased to bear.

Memoir of the NIZAMPATAM * CIRCAR in the GUNTOOR DISTRICT (now part of Krishna District), surveyed under the superintendence of Lieutenant F. Mountford, and afterwards under Assistant Surveyor M. Dunnighan, during the years 1817, '18, '19, and '20. Folio, 48 pages, stiff cover. MS.

ROADS from GUNTOOR, by YELCHOOR, to INNEKONDU and KOORCHAID, south-westerly, INNEKONDU to KARUMPOODEE, and a cross road to PEDGOORAL, thence by DHOOLPELLA and MEDKONDOOR to GUNTOOR. Surveyed in July and August 1819, by Andrew Chamarett, Assistant-Surveyor. With maps. In 1 vol., folio, half bound. MSS.

Road SURVEYS continued from GUNTOOR to the KISTNA RIVER, eastward. Surveyed in May 1819 by Charles Barnett, Assistant-Surveyor. With maps. In 1 vol., folio, half bound. MSS.

Geographical Memoir of the DISTRICT of PALNAUD in the ZILLAH of GUNTOOR (now Kistna District). Surveyed by Messrs. F. Hill and R. Long, Assistant-Surveyors, in the year 1829, under the superintendence of Lieutenant H. Morland. With sketches, including an ancient pillar, with an inscription, at Goorjal, ancient tombs, and a pillar near Carumpoody. Folio, 38 pages, stiff cover. MS.

CHANASHOOMAREE of the VILLAGES dependent on the DISTRICT of PALNAUD in the GUNTUR† CIRCAR, for the year 1829, to accompany the Memoir. Folio. MS.

Ellore Survey.‡

Six field sections of the ELLORE SURVEY. *Scale*, 1 *mile to* 1 *inch*. No date or title. MSS.

No. 1. Chintalapoody. *Size*, 26 *inches by* 22.
No. 2. Pentepad. *Size*, 22 *inches by* 25.
No. 3. Oongootoor. *Size*, 19 *inches by* 20.
No. 4. Kamavurrapookota. *Size*, 24 *inches by* 22.
No. 5. Ellore. *Size*, 22 *inches by* 27.
No. 6. Nidadavol. *Size*, 28 *inches by* 22.

Description of the BOUNDARIES of the ELLORE SURVEY. Village Register. Triangles of the Ellore Survey. Bearings and distances. In 1 vol., folio, half bound. MS.

Memoir of the SURVEY of the DISTRICT of ELLORE, surveyed by a party of Assistant-Surveyors from the end of the year 1819 to the beginning of 1821. Copied from original crude materials. Signed, D. Montgomerie, Deputy Surveyor-General. In 1 vol., folio, half bound. MS.

ELLORE SURVEY. 1. Routes through the northern parts of Ellore. 2. Routes comprehending the military road from Purrakeed and Ellore, by Anantapillee towards Rajahmundry, also the lower or Tappal road leading thither by Niddadavol from Goondagol and Kykaram to Madawaram. Surveyed in 1820 by Assistant-Surveyors T. Anderson and C. Barnett. With maps. In 1 vol., folio, half bound. MS.

Map of the TRUNK ROADS in the KISTNAH DIVISION. Chepauk, February 1866. *Scale*, 8 *miles to* 1 *inch*; *size*, 18 *inches by* 24. Litho.

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* No longer so called.
† Guntoor is now a town and taluk in Krishna District. It is here used in a larger sense which it has ceased to bear.
‡ Ellore is now the name of a village and taluk in Godavery District. It is here used in the larger applications which it formerly bore.

Madras Revenue Survey of Krishna District.

Taluk Maps, *on the scale of* 1 *inch to* 1 *mile.*

Map of the BANDAR (or Masulipatam) TALUK, KISTNA DISTRICT, reduced from the maps of the Revenue Survey. Surveyed in 1859, '60, and '61, by Capt. R. T. Pratt, H.M. 84th Foot, Deputy Supt. Rev. Survey. Chepauk, 1870. *Scale*, 1 *mile to* 1 *inch ; size*, 48 *inches by* 56.

Maps of the following taluks in this district are also published with similar titles, and in a uniform style:—

Bapatla.	Nandigama.
Bezwada.	Narsaraopett.
Gudivada.	Repalli.
Guntur.	Sattenapalli.

*** These are included among the specimens of the Madras Revenue Survey by Col. Priestley. *See* page 315.

Map of the GUDURU PARGANNA in the BANDAR TALUK, KRISHNA DISTRICT. Reduced from the maps of the Revenue Survey, executed in 1859 and 1860, by Capt. R. T. Pratt, 84th Foot, Dept. Supt. Rev. Survey. *Scale*, 1 *mile to* 1 *inch ; size*, 34 *inches by* 24.

II. Village Maps, *arranged in Taluks. Scale*, 4 *miles to* 1 *inch.*

1. *Villages in Bandar Taluk.*

Akulamannad	No. 59	Kalapatam	No. 49
Akumarru	„ 38	Karakohakhandrika	„ 22
Arisepulli	„ 15	Kalapatam	„ 34
Bahussemupallem	„ 88½	Kanipuram	„ 27
Balliparru	„ 81	Koppalli	„ 92
Barrapotupalem	„ 61	Kudrr	„ 41
Barrepadu	„ 5	Lollagaruvu	„ 71
Buddalapalem	„ 66	Machavaram	„ 45
Chilakalapudi	„ 42	Madaka	„ 86
China amudalapad	„ 119	Mangenapudi	„ 64
Chiruvollanka	„ 17	Malleswaram	„ 108
Chittigudur	„ 35	Mellamartilanka	„ 19
Chodavaram	„ 9	Manimeswram (Agraharam)	„ 100
Devarapalli	„ 87	Mopidivilanka	„ 16
Dirisavalli	„ 78	Nadupur	„ 41
Edlalanka	„ 3	Nangavaram	„ 31
Gadepudi (Agraharam)	„ 72	Nangegadda	„ 5
Gandram	„ 56	Nandamur	„ 85
Gokavaram	„ 83	Nandigam	„ 79
Gopananipalem	„ 43	Nankedalapalem	„ 56
Gudur	„ 49	Nelakurru	„ 83
Gundapalem	„ 28	Palatitippa	„ 14
Gurijepalli	„ 57	Pedana	„ 68
Gurinindagunta	„ 76	Peda Amudalapalli	„ 110
Jenjuru (Agraharam)	„ 101	Penumalli	„ 89
Kakarlamudi	„ 82	Pinagudur	„ 50
Kantsakodur	„ 33	Polatitippa	„ 24
Kanur	„ 102	Potlapalem	„ 62
Kappaladoddi	„ 69	Potepalli	„ 44
Kara (Agraharam)	„ 41	Pullapad (Agraharam)	„ 88
Kassenupalem	„ 60	Puligadda	„ 2

Rajavaram	No. 36
Ramarazupalem	„ 68
Rudravaram	„ 29
Satalur	„ 111
Singarayapalem	„ 67
Tanisepudi	No. 63
Tarakutur	„ 34
Varriallapalli	„ 54
Vartalapalli	„ 90
Vulavalapudi	„ 30

2. *Villages in Bapatla Taluk.*

Adipudi	No. 95
Adivi	„ 87
Adusumulli	„ 65
Annaparru	„ 29
Annavaram	„ 35
Appikatla	„ 55
Appapuram	„ 59
Aremanda	„ 13
Bapatla (2 parts)	„ 83
Battukhundipalem	„ 41
Bhartepudi (Agraharam)	„ 53
Bodipalem	„ 44
Brahamanakodur	„ 7
Chebrolu (2 parts)	„ 5
Chennubhothapalem (Agraharam)	„ 70
Cherukur	„ 78
Cheruvu	„ 79
Chirala	„ 108
Daggupad	„ 98
Dandamudi	„ 14
Dappalapudi	„ 18
Edupad (Agraharam)	„ 67
Ganapavaram	„ 85
Ganikepudi	„ 30
Garikepudi	„ 42
Garnepudi	„ 68
Gauinevallapalem (2 parts)	„ 89
Gollapudi (Agraharam)	„ 63
Gopapuram	„ 45
Gudipudi (Agraharam)	„ 61
Idupulapad	„ 101
Inagallu	„ 66
Inagartipad	„ 46
Iteru	„ 49
Jagarlamudi	„ 1
„	„ 72
Kadavakuduru	„ 116
Kadumanu	„ 61
Karlapalem (2 parts)	„ 84
Karimchedu	„ 94
Katrapadu (2 parts)	„ 39
Kesanarappadu (Agraharam)	„ 97
Kodananivaripalem (2 parts)	„ 106
Kommur (2 parts)	„ 62
Kondapantur	„ 60
Kopparru	„ 31
Kottapalli	„ 9
Kottimarla	„ 22
Kunkatamirru (2 parts)	„ 93
Mamillapalli	„ 12
Manchala (Agraharam)	No. 8
Mannava	„ 17
Mantagunta (2 parts)	„ 75
Marripudi	„ 48
Maraboluvallapalem	„ 88
Mattigunta	„ 119
Mootupalli	„ 117
Mullapalem	„ 82
Munupalli	„ 20
Murukondapad	„ 91
Mutulapad	„ 73
Nandur	„ 47
Narasayapalem	„ 77
Nayanipalem	„ 111
Nereduballi	„ 62
Palaparru	„ 37
Palapartipad (Agraharam)	„ 50
Pallapadu	„ 25
Pandrapad	„ 23
Partsur (2 parts)	„ 71
Patsalatadiparru	„ 19
Panalur	„ 103
Pedaganjam	„ 120
Pedanandipad	„ 38
Penukudurupadu	„ 4
Perala	„ 86
Ponnar	„ 15
Potareddipalem (2 parts)	„ 6
Pulla	„ 56
Pulladipalem	„ 114
Pusapad	„ 99
Pusalur	„ 40
Rajulapalem	„ 36
Ramanayapalem	„ 64
Ravipadu	„ 27
Retur	„ 58
Sandipudi	„ 33
Santanur	„ 105
Senarapatti	„ 69
Sriangapuram (Agraharam)	„ 3
Swarna (Agraharam)	„ 107
Tenididepadu	„ 96
Tottempudi (Agraharam)	„ 11
Turlapad	„ 32
Uppalapad	„ 34
Upparapalem	„ 16
Uppatur	„ 74
Vada	„ 92
Vadlamudi	„ 2
Vallabharanpalem (2 parts)	„ 43
Vallur (2 parts)	„ 24

Vangipuram	No. 26	Vellatur	No. 10
Vankayalapad	„ 100	Virannapalem (2 parts)	„ 76
Varagani	„ 28	Zupudi	„ 21
Velicherla (Agraharam)	„ 54		

3. *Villages in Bezwada Taluk.*

Ambapuram	No. 57	Mutiyalampad	No. 12
Atkur	„ 13	Narsayagudem (Agraharam)	„ 25
Chegireddipad	„ 10	Nidamanur	„ 60
Dassullapalem	„ 1	Paidurpad	„ 29
Gaddamanugu	„ 15	Penchikalapad	„ 19
Gannavaram	„ 6	Pinapaka	„ 24
Gundala	„ 64	Poranki	„ 72
Ilaprolu	„ 30	Parasadampad	„ 66
Jakkampudi	„ 50	Ramavarapupad	„ 65
Jangalapalli	„ 2	Tadepalli	„ 23
Karikipad	„ 79	Tenner	„ 86
Kanur	„ 67	Tsandrala	„ 4
Ketikelapudi	„ 36	Tummalagunta	„ 5
Kolavennu	„ 85	Uppatur	„ 76
Konatanipad	„ 81	Vellatur	„ —
Kottur	„ 27	Velagaler	„ 26
Loya	„ 21	Velpur	„ 75
Maredumaka	„ 87	Vemavaram	„ 48
Managapad	„ 37	Venkalaramanagaram	„ 56
Mulapad	„ 17	Vidyadharapuram	„ 54
Mutiyalampad (Agraharam)	„ 59		

4. *Villages in Gudivada Taluk.*

Agadalalanka	No. 239	Chavutapalli	No. 95
Ainakurru	„ 225	Chennur	„ 16
Ainampudi	„ 15	Chettunnapad	„ 238
„	„ 133	Chevendra (Zemindari)	„ 173
Alapadu	„ 192	Chevur	„ 46
Allur (Agraharam)	„ 139	Chiruvupalli	„ 77
Amaravati	„ 154	Chigurukota	„ 159
Anamanapudi	„ 124	Chilakamudi	„ 97
Angalur	„ 53	Chinagonnur	„ 47
Annavaram	„ 86	Chinakamanapudi	„ 136
Appapuram	„ 180	Chinapalaparru	„ 83
Aripirala	„ 110	Chinatummidi (Agraharam)	„ 35
Atapaka	„ 209	Chinaveginamilli	„ 229
Atsavaram	„ 182	Chinayerukapadu	„ 68
Avakur	„ 143	Chintalapudi (Agraharam)	„ 165
Ayyannapalem	„ 107	Chintapad	„ 93
Ayyavarirudravaram	„ 181	Chirichintala	„ 72
Betavol	„ 61	Chitram (Agraharam)	„ 18
Bhairavapatnam	„ 214	Daggumilli (2 parts)	„ 48
Billapadu	„ 67	Dakaram	„ 130
Bobbirilanka	„ 240	Dandiganipudi	„ 119
Bodagunta	„ 33	Dayyampad	„ 218
Bomminampadu	„ 140	Devapudi	„ 41
Bommulur	„ 70	Devaram	„ 83
Busanagulla	„ 62	Dintakurru	„ 76
Chakirudravaram	„ 38	Doddipatla	„ 201
Chandrala	„ 52	Dokiparru	„ 10
Chavalipad	„ 81	Dondapad	„ 98

Gandepudi (Agraharam)	No. 120
Gangadharapuram	" 69
Gannavaram	" 162
Gokinampad	" 137
Golivepalli	" 123
Gonepad (Agraharam)	" 164
Gongallamudi	" 121
Gopavaram	" 184
Gudivada	" 64
Gudivakalanka	" 96
Gudlavaller	" 38
Gundrallalanka	" 210
Gunnanapudi	" 124
Guraza	" 85
Ingilipakalanka	" 175
Janardanapuram	" 103
Jangampad	" 194
Kaikalur	" 211
Kakaravada	" 45
Kalavaguntah	" 26
Kalavagunta	" 32
Kalavapudi	" 54
"	" 93
"	" 163
Kalidindi	" 65
Kallapalem	" 186
Kamalapuram	" 30
Kamanapudi	" 34
Kanukollu	" 129
Kanumarla	" 43
Kapavaram	" 2
Kavutaram	" 22
Kochcherla	" 142
Kodur	" 79
Kokkirayalanka	" 109
Kolletikota	" 241
Kommalamudi	" 125
Komarru	" 134
Komaravol	" 57
Komatlalanka	" 228
Kondiparru	" 13
Kondur (Agraharam)	" 189
Kongancherla	" 26
Korraguntapalem (Agraharam)	" 138
Korimerla	" 8
Kottada	" 195
Kovvadalanka	" 221
Kuchchikayalapudi	" 56
Kudaravalli	" 114
Kudaravallilanka	" 172
Kudumulatippa	" 232
Kummaragunta	" 27
Kurada	" 51
Kurupakalanka	" 196
Lellapudi	" 128
Lingala	" 160
Lingavaram	" 102
Lokumudi	" 212
Madhavaram (Agraharam)	" 89
Mallampudi	" 148
Mallavaram	No. 4
"	" 237
Mamidikolla	" 19
Mandapadu	" 66
Mangunurulanka	" 222
Manurulanka	" 224
Mattagunta	" 151
Merakagudem	" 125
Minapallanka	" 243
Mirimampalem	" 5
Modugamudi	" 164
Motur	" 96
Mudinepalli	" 87
Mudutallapad	" 176
Mulakalapalli	" 141
Nagavarappad	" 63
Nandigamalanka	" 174
Nandivada	" 106
Nattagullalapad	" 206
Nemmalur	" 7
Nemmikur (2 parts)	" 1
Neratanamudi	" 118
Nujella	" 71
Nutulapad	" 104
Paidichintapad	" 236
Pakerla	" 6
Pamulakurru	" 223
Paresapalli	" 3
Parnasakhandrika	" 91
Pasalapudi	" 127
Pasumarru	" 11
Pedagonnur	" 44
Pedalanka	" 26
Pedalingala (Agraharam)	" 109
Pedapalaparru	" 94
Pedaveginamilli	" 230
Pedavirivada	" 115
Pedayarkapad	" 65
Penchikalamirru	" 199
Penjendra (Zemindari)	" 16
Penumalle	" 6
Perur	" 90
Pesaramilli	" 21
Peyyeru	" 131
Polukonda	" 170
Polumetla	" 55
Ponukumad	" 117
Pottilanka	" 220
Potumarru	" 188
Pramarru	" 12
Prattikollalanka	" 235
Prattipad	" 178
Prodduvaka (Agraharam)	" 40
Puritepad	" 49
Putlacheruvu	" 166
Ramachendrapuram	" 73
Ramanapudi	" 58
Ramapuram	" 111
Ramavaram	" 191
Ratsapatnam	" 185

Reddipudi	No. 92
Rimmanapudi	,, 14
Rudrupak	,, 169
Saidepudi	,, 99
Sanarudravaram	,, 156
Sankarshanapuram	,, 80
Satalayalanka	,, 233
Siddhantam	,, 75
Siddhapuram	,, 197
Singapuram	,, 207
Singavaram	,, 82
Sipudy	,, 60
Sitanapalli (Agraharam)	,, 202
Sobhanadripuram (Agraharam)	,, 179
Someswaram	,, 193
Sripartilanka	,, 226
Strinivasapuram (Agraharam)	,, 108
Tadinada	,, 190
Takkellapad (Agraharam)	,, 177
Tamarakollu	,, 158
Tamirisa	No. 100
Tativarru	,, 59
Utkur	,, 39
Vadali (Agraharam)	,, 132
Vadarlapad	,, 204
Vanudurru	,, 32
Varahapatnam	,, 203
Vemavaram	,, 24
Vemavarapalem	,, 25
Vemugunta	,, 17
Venkatapuram	,, 187
Vennanapudi	,, 113
Vinjiram	,, 183
Vunikili	,, 168
Vurimidilanka	,, 102
Vurivi	,, 34
Yadavalli	,, 152
Yalakurru (Agraharam)	,, 9
Yedepalli	,, 43

5. *Villages in Guntur Taluk.*

Abbirazupalem	No. 8
Ainavol (Agraharam)	,, 37
Agatavarapad	,, 87
Anantavaram (2 parts)	,, 42
Anantavarapad (Agraharam)	,, 96
Atmakur	,, 32
Bandarupalli (2 parts)	,, 60
Bejatpuram (2 parts)	,, 54
Borupalem	,, 7
Budampad	,, 97
Chemallamudi	,, 101
Chinakakani	,, 64
Chinapalakalur (2 parts)	,, 71
Chinavadlapudi	,, 29
Chirravur	,, 26
Damarapalli (2 parts)	,, 70
Devarayabhotlapalem	,, 80
Endrayi	,, 45
Etukur (2 parts)	,, 95
Garapad	,, 109
Godavarru (2 parts)	,, 100
Gorantla	,, 73
Gottipad	,, 119
Gundumeda (2 parts)	,, 25
Guntur (2 parts)	,, 88
Gurzavoluguntapalem	,, 118
Harichendrapuram	,, 4
Idulapalem (Agraharam)	,, 114
Ippatam	,, 13
Jonnalagadda	,, 68
Kakani	,, 75
Kanteru	,, 66
Kanthamrazkondur	,, 78
Karlapudi (2 parts	,, 48
Katrapad	,, 107
Kolanukonda (Agraharam)	No. 23
Kondajagarlamudi (Agraharam)	,, 120
Kondamrazpalem	,, 10
Kondepadu	,, 110
Koppuravur	,, 67
Koritepad	,, 89
Kornipadu	,, 94
Kovelamudi	,, 103
Kunehanapalli (Agraharam)	,, 22
Kuragallu (2 parts)	,, 36
Kurunutala	,, 112
Lam	,, 69
Latsanagudipudi	,, 53
Lemallepad	,, 102
Lingayapalem	,, 11
Malkapuram (Agraharam)	,, 14
Mallayapalem	,, 117
Mandadam	,, 15
Mandapad	,, 57
Mangalagiri	,, 34
Marripalem (Agraharam)	,, 121
Misaragadda Anantavaram (Agraharam)	,, 84
Motadaka	,, 49
Mutlur	,, 104
Nallapad	,, 39
,,	,, 90
Narakodur	,, 99
Navulur (3 parts)	,, 35
Nekkallu	,, 41
Nidamarru	,, 63
Nidumukkala	,, 52
Nutakki	,, 28
Pamulapad	,, 55
Pedamaddur	,, 1

Pedaparimi - - -	No. 50
Pedavadlapudi - - -	„ 30
Penumaka - - -	„ 18
Penumuli - - -	„ 79
Pechikalapalem - - -	„ 5
Ponnikallu - - -	„ 61
Pottur - - - -	„ 93
Prattipad - - -	„ 116
Ramachendrapuram - -	„ 27
„ (Agraharam)	„ 91
Ravela - - - -	„ 56
Rayapudi - - -	„ 9
Sakhamur (2 parts) - -	„ 38
Suddapalli - - -	„ 85
Tadepalli - - -	„ 21
Takkellapadu - - -	„ 86
Tangellamudi - - -	No. 81
Tsavadavaram - - -	„ 113
Tullur - - - -	„ 40
Uddandarayunipalem - -	„ 12
Ungutur - - -	„ 46
Unnava - - -	„ 122
Uppalapad (2 parts) - -	„ 76
Vaddamanu - - -	„ 44
Vaikuntapuram - -	„ 3
Vejendla - - -	„ 98
Velagapudi - - -	„ 13
Venigundla - - -	„ 74
Venkatapalem - - -	„ 16
Vundavalli - - -	„ 19
Yamarru - - -	„ 108

6. *Villages in Krosur * Taluk.*

Amaravati - - -	No. 58
Aminbada - - -	„ 185
Anantavaram (Agraharam) -	„ 64
Attalur - - -	„ 92
Balemarru (Agraharam) -	„ 94
Balijepalli - - -	„ 52
Balusupad - - -	„ 88
Bayyavaram - - -	„ 93
Bellamkonda - - -	„ 39
Betapudi - - -	„ 174
Bhatlannavaram - -	„ 147
Bhatlur - - -	„ 115
Bhimavaram - - -	„ 144
Bhrugubanda - - -	„ 122
Bodanam - - -	„ 11
Bollavaram - - -	„ 163
Chamarru - - -	„ 24
Chavatipapayapalem (Agraharam) - - - -	„ 41
Chigurupad - - -	„ 69
Chinamakkena (Agraharam) -	„ 132
Chintalapudi - - -	„ 130
Chintapalli - - -	„ 22
Chittela - - -	„ 13
Dammalapad - - -	„ 164
Detsavaram (Agraharam) -	„ 160
Detsavarapupad - -	„ 189
Dhulipalla - - -	„ 159
Didugu - - -	„ 83
Dodleru - - -	„ 30
Ellamrajapalem - -	„ 9
Erraguntalapad - -	„ 154
Ganlur - - - -	„ 146
Garapad - - -	„ 100
Garikipad (Agraharam) -	„ 60
Garnepudi - - -	„ 131
Ginjupalli (Agraharam) -	„ 19
Gogulapad - - -	„ 123
Gollapad - - -	No. 166
Grandhisiri - - -	„ 96
Gudibanda - - -	„ 6
Gudipad - - -	„ 58
Gudipudi - - -	„ 128
Gujjarlapudi - - -	„ 116
Gullapalli - - -	„ 46
Gundalapad (Agraharam) -	„ 173
Gundavaram - - -	„ 107
Kasanbada (Agraharam) -	„ 59
Kavujuganesem - -	„ 184
Kussenagaram - - -	„ 101
Inimedigalla - - -	„ 99
Jatapalli - - -	„ 16
Jalalpuram - - -	„ 105
Jupudi and Malladi (Agraharam)	„ 80
„ „ „ -	„ 82
Kambhampad - - -	„ 106
Kamepalli - - -	„ 10
Kandipad - - -	„ 33
Kankanalapalli - - -	„ 158
Katepudi - - -	„ 142
Kasepad - - -	„ 90
Kastala Puttipad (Agraharam) -	„ 77
Kattamur - - -	„ 117
Kogantivaripalem Ambatipadi (Agraharam) - -	„ 71
Kogantivaripalem Ambatipadi (Agraharam) - -	„ 72
Kollur - - - -	„ 14
Komerepudi - - -	„ 150
Kondur - - -	„ 29
Konijerla - - -	„ 114
Konur - - - -	„ 75
Kopperlapad - - -	„ 126
Korrapad - - -	„ 141
Kotanevalipuri - - -	„ 44
Kottapalli - - -	„ 23

* Now Sattenapalli.

Krosur	No.	97
Kubadpuram	„	42
Kuntamaddi	„	18
Lagadapad	„	113
Lakkarazgarlapad	„	155
Lakshminarayanapalem (Agraharam)	„	65
Lankalakurapad	„	167
Legamudi	„	180
Lingamgunta	„	133
Lingapuram	„	89
Madala	„	156
Madipad (Agraharam)	„	17
Makkapad	„	55
Mandepudi	„	109
Mangalageripad (Agraharam)	„	187
Mannesultanpalem	„	7
Matsayapalem	„	36
Medikondur	„	188
Merikepad	„	171
Mittapalem	„	28
Mogulutta	„	2
Munagapadu	„	172
Muppalla	„	165
Mussapuram	„	111
Nagavaram	„	57
Nandigama	„	143
Nandirazpalem	„	40
Narasimhunigudem	„	43
Narasingapad (Agraharam)	„	47
Narinapad	„	169
Narukullapad	„	86
Nevalikallu	„	108
Nevalipuri	„	45
Nindujerla	„	4
Nudurpad	„	178
Orvakallu	„	74
Pakalapad	„	125
Paladugu	„	140
Panidam	„	127
Papayapalem	„	1
Parasa	„	104
Parupalli Gorantla (Agraharam)	„	118
„ „ „	„	119
Patibandla	„	110
Pedakurapadu	„	112
Pedamakkena	„	129
Pedapalem	„	26
Perikapad	„	32
Pirangipuram	„	183
Pisapad	No.	120
Podapad	„	134
Pondugala (Agraharam)	„	81
Ponnayapalem (Agraharam)	„	38
Ponukupad	„	170
„ (Agraharam)	„	190
Pottapad (Agraharam)	„	139
Prattipad	„	61
Pulietinta	„	15
Ramapuram	„	102
Razupalem	„	56
Reddigudem	„	54
Regulagadda	„	175
Repudi	„	181
Rentapalla (Agraharam)	„	124
Rokatiguntapalem	„	70
Rudravaram	„	73
„	„	162
Saripudi	„	137
Sattenapalli	„	148
Siddhipalem	„	66
Sirangapalem	„	152
Siripuram	„	136
Taduvayi	„	21
Takkellapad	„	63
„	„	151
Tallur	„	121
„	„	153
Tammavaram	„	91
Tiallur	„	103
Timmarayanipalem	„	68
Tondapi	„	161
Tripurapuram (Agraharam)	„	48
Tsallagarigi	„	20
Turikepalli	„	25
Uppalapad	„	51
Uyyandana	„	62
Vaddavalli	„	149
Varagani	„	135
Velidevarlapadu (Agraharam)	„	168
Velpur	„	67
Vemavaramkhandrika	„	177
Venkatayapalem	„	5
Vennandevi	„	157
Vippalipalem	„	179
Vipparla	„	95
Vutkur	„	76
Yemmajigudem	„	8
Yenikapadu	„	87

7. *Villages in Nandigam Taluk.*

Adiviranulapad (Agraharam)	No.	89
Ailavaram	„	53
Alurpad (Agraharam)	„	123
Amaravaram	„	10
Ambarpet (Agraharam)	„	52
Babbellapad	„	19
Balusupad	No.	69
Bhimavaram	„	80
Bodavada	„	48
„	„	66
Bramhabhotlapalem	„	58
Butsavaram	„	134

Channaravupalem	No. 29
Chavitikallu	„ 1
Chillakallu	„ 79
Chintalapad	„ 9
Chinnamodugapalli	„ 128
Chittela	„ 124
Damulur	„ 112
Dechupalem	„ 131
Dobbokupalli	„ 142
Doddadevarapad	„ 34
Dotsavaram	„ 39
Etur	„ 4
Gandepalli	„ 47
Gandrayi	„ 133
Gangavalli	„ 140
Garikepad	„ 70
Gokirajupalli	„ 42
Gollamudi	„ 106
Gopinenipalem	„ 129
Gottumukkala	„ 26
Gouravaram	„ 83
Gudimetlapalem	„ 18
Gummadidurru	„ 118
Gundupoyanepalem	„ 85
Hasanbada	„ 125
Iudugapalli	„ 136
Irllapad	„ 36
Jaganadhapuram	„ 44
Jammavaram	„ 43
Jonnalagadda	„ 117
Joyantipuram	„ 63
Kakaravoyi	„ 147
Kambhambad	„ 144
Kanchala	„ 21
Kanchakacharla	„ 25
Kannevidu	„ 127
Katremipalli	„ 60
Kanutanari	„ 64
Kisara	„ 24
Konijerla	„ 151
Kollikulla	„ 100
Konatamatkur	„ 113
Konatalapalli	„ 108
Konakanchi	„ 86
Kondur	„ 115
Kurugantivarikhandrika	„ 93
Kumikinipad	„ 2
Lakshnipuram	„ 40
Langollu	„ 130
Lingagudem	„ 81
Maggallu	„ 103
Makkapeta	„ 126
Malekapuram	„ 137
Mamali	„ 150
Managacherla	„ 95
Medipalem (Agraharam)	„ 56
Molugumadu	„ 152
Mullapad	No. 98
Munnalur	„ 3
Muppatta	„ 55
Mukteswarapuram	„ 65
Muchchintala	„ 146
Nandalur	„ 50
Navalipeta	„ 97
Nrusimharavpalem	„ 27
Pachampalli	„ 84
Pallagiri	„ 104
Palampalli (Agraharam)	„ 110
Patempad	„ 13
Patsavaram	„ 139
Peddapuram	„ 32
Pendala	„ 22
Peddavaram	„ 49
Pedamoduguealli	„ —
Ponnavaram	„ 45
Ponnapalli Vasati (Agraharam)	„ 8
Pokkunur	„ 15
Popur	„ 6
Ramapuram	„ 109
Ramachandramnipeta	„ 72
Ravukampad	„ 75
Ravirela	„ 62
Rebbavaram	„ 121
Rudravaram	„ 107
Saidapuram	„ 23
Sanagapad	„ 102
Satyavaram	„ 105
Sherumahammadpeta	„ 74
Sittampundi	„ —
Somavaram	„ 111
Subbayagudem	„ 99
Tadigummi (Agraharam)	„ 49
Takkellapad	„ 71
Tallur	„ 145
Timmapuram	„ 30
Torragudipad	„ 114
Torraguntapalem	„ 77
Totaravulapad	„ 12
Totacherla	„ 96
Trepuravaram Cultivation	„ 67
Tsandapuram	„ 91
Tsantapalli	„ 37
Tsattannavaram	„ 38
Turlapad	„ 20
Vatsavayi	„ 143
Vedadri	„ 61
Veladi	„ 7
Vemulavaram	„ 148
Vemulapalli	„ 11
Venkatapuram	„ 101
Vellanki	„ 41
Vibharitapad	„ 5
Viradhadrunipaliem	„ 132
Vummadidenarapalli	„ 149

8. *Villages in Palnad Taluk.*

Adigoppula	No.	75
Akarazpalli	„	15
Alugumallepad (Agraharam)	„	52
Alugurazpalli (3 parts)	„	37
Amanijammulamadak	„	40
Atmakur	„	83
Bodanampad	„	35
Budavada	„	51
Chennayapalem (Agraharam)	„	13
China (Agraharam)	„	66
Chinagarlapad	„	60
Chinakodamagulla	„	58
Chintapalli	„	59
Daida (2 parts)	„	4
Darvemula	„	80
Dharmavaram	„	78
Duggi	„	79
Gamalapad	„	7
Gangavaram	„	27
Gangulagunta	„	91
Gogulapad	„	50
Goli	„	1
Gottemukkala (2 parts)	„	2
Gottipalla	„	92
Gullapad	„	95
Guttikonda	„	68
Inaparazpalli	„	55
Janapad	„	67
Julakallu	„	69
Khambampad	„	43
Kamepalli	„	63
Karempudi	„	71
Karlapad	„	64
Kesanupalli	„	53
Kolagotla (3 parts)	„	84
Konanki	„	18
Kottapalli	„	38
Madinapad	„	10
Madugala (2 parts)	„	46
Mallavol	„	20
Manchikallu	„	44
Mandadi	„	97
Mattsvaram	No.	21
Matukumelli	„	41
Miriyala	„	47
Mittagudepad	„	29
Muttiyalammapad	„	23
„	„	81
Mutukur (2 parts)	„	85
Nagalavaram	„	36
Narmalapadu	„	74
Nidhunampad (Agraharam)	„	76
Pallegunta	„	49
Paluvaya	„	42
Passarlapad	„	31
Paswvemula (2 parts)	„	34
Patlavid	„	87
Peda (Agraharam)	„	65
Pedagarlapad	„	61
Pedakodamagulla	„	57
Pidugurala (2 parts)	„	19
Petasaningalla	„	70
Pillutla	„	17
Pinnavi (2 parts)	„	22
Polipalli	„	86
Pulipad	„	26
Ramapuram	„	6
Rentala	„	45
Rentuchintala	„	30
Senkarapuram Sideheya	„	56
Strirukminipuram (Agraharam)	„	16
Tadutla	„	14
Takkellapadu	„	54
Tallapalli	„	33
Telugutla	„	3
Tsarlagudipad	„	48
Tummalacheruvu	„	62
Tumrukota (2 parts)	„	32
Veludurti	„	89
Vemavaram	„	12
Viralakshmipuram (Agraharam)	„	72
Vobalesunipalli	„	77
Vuppalapad	„	88

9. *Villages in Rajapet Taluk.*

Alavala (Agraharam)	No.	85
Anantavaram	„	65
Annavaram	„	82
Annavarapadu (Agraharam)	„	89
Appapuram	„	53
Arepalli (Agraharam)	„	41
Ballikurava	„	108
Boppudi	„	69
Chagallu	„	4
Challagunlla	„	2
Chandavaram	„	9
Chejerla	„	40
Chinapasumarru (Agraharam)	No.	70
Chirumamella	„	26
Dandamudi	„	58
Dasaripalem	„	42
Degaramudi	„	114
Dondapadu (Agraharam)	„	7
Droudula	„	124
Ganapavaram	„	56
Gannavaram	„	126
Gogulapad	„	84
Gopapuram (Agraharam	„	87
Gorripadu (2 parts)	„	99

Gottepadu	No.	60
Govindapuram	„	51
Guntagarlapadu (Agraharam)	„	85
Guntapalli	„	107
Gurijepalli (Agraharam)	„	75
Ikkurru	„	47
Jaggapuram	„	21
Jaladi	„	20
Jonnatavi (Agraharam)	„	120
Kakani (2 parts)	„	78
Kamepalli	„	88
Kanaparru	„	30
Kankipatlavaripalem	„	22
Kantetivarikhandrika (Agraharam)	„	61
Karuchola	„	19
Kavur	„	54
Kesanapalli	„	31
Kolalapudi	„	123
Konanki	„	121
Kondakavur	„	76
Kondavidu (2 parts)	„	13
Konidena (2 parts)	„	110
Kopparam (2 parts)	„	94
Kopperapadu Kommalapadu Chennupalli and Senkaralingamgudipadu (Agraharam)	„	95
„ „	„	103
„ „	„	105
„ „	„	106
Kopperapadu	„	101
Kukutlapalli	„	98
Kunkalagunta (2 parts)	„	39
Lakkavaram (Agraharam)	„	122
Lingamguntla (Agraharam)	„	48
Lingamgunta	„	55
Maidavolu	„	25
Manikondavaripalem	„	57
Mukteswaram (2 parts)	„	104
Mulakalur	„	6
Munumaka	„	81
Murikipudi (2 parts)	„	68
Muttanapalli (Agraharam)	„	79
Nadella (3 parts)	„	28
Nagarajupalli	„	118
Nallagarlapadu (Agraharam)	„	45
Narsaraopeta	No.	34
Nekarikallu	„	1
Nujellapalli (Agraharam)	„	29
Palapadu	„	46
Pamidipadu (Agraharam)	„	5
Paragaticherla	„	44
Pasumarru (2 parts)	„	59
Petluruvaripalem (Agraharam)	„	77
Poluru	„	63
Potavarapadu (Agraharam)	„	32
Potavaram	„	72
Punur	„	127
Purushottapattam	„	71
Rajapeta	„	73
Ravipad	„	36
Rompicherla (2 parts)	„	83
Rupenaguntla (2 parts)	„	37
Sankuratripad	„	11
Santagudipadu	„	43
Santamagulur (2 parts)	„	91
Satuluru	„	8
Solasa	„	12
Suravarapalli	„	66
Tangedapalli (2 parts)	„	92
Tatapudi (Agraharam)	„	67
Timmapuram	„	24
Tubada	„	27
Turumella	„	90
Uppumagulur (2 parts)	„	112
Vaidana	„	102
Vankayalapadu	„	15
Vellalacheruvu	„	86
Vemavaram (Agraharam)	„	113
Vinjanampadu	„	62
Vipparlapalli (Agraharam)	„	80
Viswanadhuni Khandrika (Agraharam)	„	16
Vuppalapad	„	49
Yedavalli	„	74
Yeddnapudi	„	64
Yeddlapad	„	18
Yelchuru (2 parts)	„	95
Yellamanda (3 parts)	„	50
Yeluru	„	23
Yirlapad	„	52
Zonnalagadda	„	33

10. *Villages in Repalli Taluk.*

Abbanagudavalli (Agraharam)	No.	59
Adavaladivi	„	140
Alapad (Agraharam)	„	84
Allaparru (2 parts)	„	143
Allaparru Key (2 parts)	„	144
Allur	„	135
Amartalur	„	76
Amudalapalli (2 parts)	„	138
„ Key Map	„	—
Anandavaram	„	47
Angalakuduru	No.	30
Aravapalli	„	146
Arumbaka	„	107
Attoda	„	21
Balijepalli (Agraharam)	„	58
Balusulapalem	„	122
Bhattiprolu	„	70
Boddulurupad (Agraharam)	„	51
Bommavaripalem	„	25
Burripalem	„	27

Chadalavadi (2 parts)	No. 41
Chavali	„ 57
Chemudupad	„ 42
Chiluvur	„ 1
Chinapalem	„ 7
Chinaparimi (Agraharam)	„ 33
Chinaravur	„ 37
Chitumur	„ 46
Chodayapalem	„ 153
Davulur	„ 43
Dantalur (Agraharam)	„ 11
Dendi	„ 139
Devarapalli (Agraharam)	„ 16
Dhulipudi	„ 104
Donepudi	„ 63
Duggirala	„ 13
Godavarru (Agraharam)	„ 8
Gorigepudi	„ 68
Govada (2 parts)	„ 89
Gudavalli	„ 74
Gudivada	„ 17
Idupalli	„ 127
Inani	„ 12
Ipur	„ 48
Jadavalli (Agraharam)	„ 119
Kanagala	„ 73
Karumur	„ 97
Kasukurru	„ 114
Kanur	„ 108
Kaditadiparru (Agraharam)	„ 85
Kolakalur	„ 14
Kollipara	„ 26
Kollur	„ 50
Komali (2 parts)	„ 117
Konetipuram	„ 95
Kothevaram	„ 29
Kuchellapad	„ 40
Kuchenapudi	„ 142
Kuchipudi	„ 34
Kunchavaram (Agraharam)	„ 20
Modukur	„ 83
Moparru	„ 86
Morampudi	„ 3
Mulpul	„ 55
Mulukuduru (2 parts)	„ 116
Munugotipuram	„ 10
Muttupalli (Agraharam)	„ 127
Nadimpalli	„ 90
Nagaram	„ 124
Nallur	„ 147
Nandivelugu	„ 18
Nidubrolu	„ 113
Nizampatam (2 parts)	„ 137
„ Key Map	„ —
Oleru	No. 67
Pallapatta	„ 126
Pallikona	„ 102
Pamidinurru	„ 103
Panchalavaram	„ 75
Parisapad (Agraharam)	„ 96
Peaparru (Agraharam)	„ 110
Pedagadelavarru	„ 79
Pedalanka	„ 66
Pedakondur	„ 6
Pedamatlapudi (2 parts)	„ 129
Pedapalli	„ 136
„	„ 77
Peddaranuru	„ 36
Peddavaram (Agraharam)	„ 93
Penumurru	„ 60
Penumudi	„ 99
Peravali	„ 56
Pesaralanka	„ 65
Peturu	„ 98
Phattiprolu	„ 70
Pidaparru	„ 24
Pittalavanipalem	„ 131
Ponnapalli (Agraharam)	„ 106
Porakalapudi	„ 4
Potumarra (Agraharam)	„ 54
Potumeraka Key Map	„ 152
Pragnam	„ 141
Pudivada	„ 123
Pulichantalapalem (Agraharam)	„ 35
Rajavolu	„ 91
Rambhottapalem	„ 108
Rayakampadu	„ 51
Singupalem	„ 151
Siripuram (Agraharam)	„ 22
Sinangalapalem	„ 72
Srungarapuram (Agraharam)	„ 5
Surepalli	„ 94
Tottapalli	„ 92
Tsandavada	„ 120
Tsivvalur	„ 23
Tummapudi	„ 2
Tummalur	„ 44
Turumella	„ 87
Vaddamukkula (Agraharam)	„ 118
Vallabhapuram	„ 9
Varahapuram (Agraharam)	„ 39
Vellatur	„ 64
Vetapalem	„ 81
Visveswaram	„ 150
Voliveru	„ 80
Yadbapalli	„ 31
Yeletipalem	„ 125

11. *Villages in Vinukonda Taluk.*

Ainavolu (2 parts)	No. 55
Andugulapadu	„ 68
Angaluru (Agraharam)	„ 9
Agnigundala	No. 18
Bokkamuntalapadu	„ 76
Bollapalli	„ 23

Bommarazapalli (Agraharam)	- No.	2
Bramhanapalli (2 parts)	- „	32
Chithapuram - -	- „	6
Dasullapalli (Agraharam)	- „	21
Dondapadu - -	- „	27
Enugapalem (2 parts) -	- „	38
Gandiganamala -	- „	75
Garikepadu - -	- „	79
Gokanakonda - -	- „	41
Gummadampadu (3 parts)	- „	78
Gummadampadu (Agraharam)	- „	78
Gundapalli (Agraharam)	- „	10
Gutlapalli - -	- „	73
Inumetla - -	- „	1
Ipuru (2 parts) -	- „	3
Khambhampadu -	- „	56
Kanamalacheruvu -	- „	72
Kanamarlapudi -	- „	14
Karumanchi (2 parts) -	- „	36
Kondayapalem - -	- „	7
Kondramutla (2 parts) -	- „	16
Kondruprolu (Agraharam)	- „	44
Koppukonda - -	- „	71
Kotcherla - -	- „	17
Kottalur - -	- „	15
Madamanchipadu (Agraharam)	„	46
Mellavagu - -	- „	80
Mukkellapadu (2 parts)	- „	63
Mulakoluru - -	- „	43
Muppalla (2 parts) -	- „	5
Murtujapuram - -	- „	65
Nayanipalem (Agraharam)	- „	53
Nilagangavaram -	- No.	69
Nujella (2 parts) -	- „	58
Pamidipadu (2 parts) -	- „	62
Pedakancherla (2 parts)	- „	34
Peddavaram (Agraharam)	- „	54
Perumallapalli (Agraharam)	- „	45
Perurupadu - -	- „	25
Potluru - -	- „	11
Putsanutula (3 parts) -	- „	61
Puvvada - -	- „	42
Ravulapuram - -	- „	74
Remidicherla - -	- „	77
Sanampudi - -	- „	13
Sirikondapalem (Agraharam)	- „	20
Sivapuram (Agraharam)	- „	52
Surepalii (Agraharam) -	- „	51
Talarlapalli - -	- „	57
Tana Annavaram (Agraharam)	„	50
Tangirela (Agraharam)	- „	67
Tellabadu (Agraharam)	- „	49
Timmapuram (Agraharam)	- „	60
Timmayapalem (3 parts)	- „	28
Tripurapuram - -	- „	47
Vadhemgunta - -	- „	22
Vanikonta (Agraharam)	- „	8
Velpur - - -	- „	12
Venkupalem (Agraharam)	- „	31
Vetrayani Appapuram (Agraharam) - -	- „	59
Vinukonda (3 parts) -	- „	30
Vittamrazpalle (Agraharam)	- „	33
Vuppalapad - -	- „	48

*** Nos. 4, 24, 26, 37, 39, 40, 64, 66, 70 are wanting in this list of Vinukonda villages.

8. KARNUL DISTRICT.

Including eight taluks. The Revenue Survey is far advanced, but only the following are yet issued.

I. District Map.

Map of the KURNOOL DISTRICT, showing the new boundaries of taluks. From information received from the Revenue Authorities. Revenue Survey Office, Chepauk, 1868. *Scale,* 2 *miles to* 1 *inch; size,* 53 *inches by* 80.

II. Village Maps in Remlakola Taluk.

MUNGALAPAD. 2nd Part. 1864. *Scale,* 16 *inches to* 1 *mile; size,* 26 *inches by* 31.

9. MADRAS DISTRICT.

Including nine divisions. See also Chingalpat District, pages 321 to 325.

The City of Madras.

LIMITS of MADRAS as fixed on the 2nd November 1798, by the Right Honourable the Governor in Council, when the Court of the Recorder was

established. Signed P. Ross, Chief Engineer, M. G. The Boundary surveyed by Lieut. W. Castle, of Engineers. *Scale*, 800 *feet to* 1 *inch; size*, 35 *inches by* 58. MS.

The same. *On the scale of* 900 *feet to* 1 *inch; size*, 36 *inches by* 58. MS.

A Survey of ST. THOMÉ or MILAPOUR. By Lieuts. Bayley and Charasse. December 1805. *Scale*, 400 *feet to* 1 *inch; size*, 22 *inches by* 18. MS.

Topographical Survey of MADRAS and its ENVIRONS, by the Officers of the Senior Class of the Military Institution. Lieuts. J. J. O'Donnoghue, H. Walpole, M. I. Harris, J. Garling, W. Biss, J. D. Burnett, A. Tulloch, W. Chavasse, J. Swinton, J. C. Raester, J. Dalgairns, J. Bayley. During the months of February, March, and April 1806. *Scale*, 2 *inches to* 1 *mile; size*, 78 *inches by* 49. MS.

Plan and Elevation of the BULWARK at MADRAS extending from Clive's Redoubt to the Saluting Battery, at the S. E. angle of the glacis of Fort St. George. Executed under the order of Government. A.D. 1820–21. Major Havilland, Acting Engineer. *Scale*, 26 *feet to* 1 *inch; size*, 2½ *feet by* 34. MS.

Plan of the TOWN of MADRAS and its limits, as surveyed in 1822, for the use of the Justices in Sessions, by W. Ravenshaw, Captain, Civil Engineer. *Scale*, 6 *inches to* 1 *mile; on* 3 *sheets; size*, 40 *inches by* 61.

A New and Improved Plan of MADRAS and its Suburbs, executed in the years 1837, '38, and '39 for the use of the Justices in Sessions. is respectfully inscribed to the Right Honourable John Lord Elphinstone, G. C. H., Governor of Fort St. George and its Dependencies, by his Lordship's most obedient and humble servant, Thomas Hill, Surveyor. This plan contains all the additions and improvements up to the end of the year 1842, comprising an area of 26·4966 square miles. *Scale*, 6 *inches to* 1 *mile; size*, 64 *inches by* 39. Two copies, mounted to fold; one in a case.

Madras Drainage.

Plan of the TOWN of MADRAS (Coloured in drainage areas), with Levels and Sewer Plans. *On* 3 *sheets; size of each*, 27 *inches by* 34.

⁂ To accompany Capt. Boulderson's Report, 1848. MS.

Plan of MADRAS. *Scale*, 4½ *inches to* 1 *mile*. Showing the distribution of Pipes, Sewers, &c., and Heights above the Mean Sea Level. Signed Lieut. P. O'Connell, Adjutant of Engineers, and S. Ottmann, Sub-Assist. Surveyor. No date. *Size*, 25 *inches by* 45.

Plan of MADRAS and its SUBURBS embracing an area of twenty-seven square miles, and containing all additions and improvements to the end of the year 1869. In this plan, which has been carefully corrected, the Limits of the High Court and the Municipal Division; the names of Streets, Roads, and Lanes, and the proposed line of the Water Delivery Channel, with the Fountains and Strand pipes, are clearly exhibited. Compiled by J. W. Jackson. *Sale*, 6 *inches to* 1 *mile; size*, 65 *inches by* 41. Folded.

Plan and Section of the MAIN SEWER from the End of the ESPLANADE opposite HUMPHERSON'S STREET, to the Mouth of the Tunnel at the N. E. Angle of Fort St. George, measuring in length 2,552½ ft.,

showing the proposed reform and improvements thereof; prepared agreeably to the orders of the Military Board, dated 20th May 1845. *Scales, various; size,* 30 *inches by* 49. MS.

Plans, &c. of the DRAINAGE of BLACK TOWN. Prepared to accompany Captain H. Boulderson's Report, 25th August 1848. In 3 sheets, marked Nos. 1, 2, 3. MSS.

No. 1. Plan of the Town of Madras. *Scale,* 450 *feet to* 1 *inch; size,* 24 *inches by* 30.

No. 2. Level Sections taken along various streets, &c. *Size,* 26 *inches by* 32.

No. 3. Plan and Sections of the New Tunnel, Main Sewer, &c. *Size,* 26 *inches by* 33.

Fort St. George, Madras.

Plan of the interior of FORT ST. GEORGE. Numbered agreeably to the Annual Report on the Public Buildings up to the 31st August 1850. By A. Law, Lieut.-Col. Chief Engineer. *Scale,* 50 *feet to* 1 *inch; size,* 30 *inches by* 45. MS.

Two Plans and a Memorandum of the History and Alterations of FORT ST. GEORGE: 1. A plan of Fort St. George, 1747; 2. Part of the Black Town, Madras, and the adjacent ground to the South and West, with the French attack. From December 12, 1758 to February 17, 1759. By Captain Rawlins, Garrison Engineer, 1857. Fcap. folio, 31 pages, stiff cover.

Plan, Elevation, and Sections of a PENITENTIARY proposed to be erected at MADRAS. Chief Engineer's Office, Fort St. George. No date. *Scale,* 16 *feet to* 1 *inch; size,* 29 *inches by* 42. Mounted to fold. MS.

Iron Gates and Railings for GOVERNMENT HOUSE, MADRAS. Referred to in a letter to the Secretary of State, dated 5th June 1860.

Cantonments and Barracks around Madras.

MADRAS CANTONMENTS and BARRACKS, &c.:—

1. Indian Atlas, sheets 78, with the barracks at St. Thomas's Mount, Palaveram, and Poonamallee, and the military roads from Madras, coloured.
2. Plan of the Cantonment of St. Thomas's Mount. 1868. *Scale,* 6 *inches to* 1 *mile.*
3. Plan of the Cantonment of Palaveram, coloured up to July 1866. *Scale,* 6 *inches to* 1 *mile.*
4. Plan of the Cantonment of Poonamalee. December 1868. *Scale,* 6 *inches to* 1 *mile.*
5. Block Plans of the buildings in the Horse Artillery Lines at St. Thomas's Mount. 1866.
6. Ditto ditto. 1869.
7. Block Plan of North Barracks at St. Thomas's Mount. 1869.
8. Block Plan of South Barracks at St. Thomas's Mount. 1869.
9. Military buildings at St. Thomas's Mount, sheet 1.
10. Ditto ditto sheet 2.
11. Ditto Palaveram sheet 3.
12. Ditto Poonamallee sheet 4.
13. Ditto ditto sheet 5.

MADRAS TOWN MAPS, REVENUE SURVEY, 1854 to 1862.

Scale, 100 *feet to* 1 *inch.*

1. BLACK TOWN DIVISION. Surveyed by M. G. Plumbe, 1860, '61, '62. Lithographed at the Revenue Survey Press, 1869. J. Priestley, Colonel, Supt. Rev. Survey. In 14 sections. *Scale,* 100 *feet to* 1 *inch.*

2. TONDIARPET DIVISION. Surveyed by J. P. Cooke, 1861, '62. Lithographed at the Revenue Survey Press, 1870. In 22 sections.

3. PERAMBOOR DIVISION. Surveyed by J. P. Cooke, 1861. Lithographed in 1865. In 14 sections.

4. PURSERAUKUM and VEPERY DIVISION. Surveyed by W. H. Walker, in 1858–59. Lithographed in 1865. In 16 sections.

5. EGMORE (Elemboor) DIVISION. Surveyed by W. H. Walker and J. P. Cooke, 1857. Lithographed in 1865. In 14 sections.

6. TRIPLICANE DIVISION. Surveyed by M. G. Plumbe, in 1857–58. Lithographed in 1866. In 12 sections.

Scale, 400 *feet to* 1 *inch.*

MYLAPOOR DIVISION. Plan of the Mylapoor Division, as surveyed during the years 1854 and 1855 by Rev. Surveyor, W. H. Walker. *Size,* 30 *inches by* 50.

NOONGUMBAUKUM DIVISION. Plan of the Noongumbaukum Division as surveyed in the year 1856, by Rev. Surveyor, W. H. Walker. *Size,* 21 *inches by* 40.

MADRAS MUNICIPAL SURVEY, Colonel Priestley, Superintendent. Lithographed in colours by Alex. Barren, Revenue Survey Office, Chepauk, 1871. Mounted to fold.' ' *See* page 315.

- 2nd Division (Black Town, East), Sections 1 to 6, on 5 sheets. *Scale,* 100 *feet to* 1 *inch.*
- 3rd Division (Black Town, West), Sections 1 to 4, on 4 sheets. *Scale,* 100 *feet to* 1 *inch.*
- 4th Division (Peramboor, Vyasumpandy), Sections 1 to 6, on 6 sheets. *Scale,* 200 *feet to* 1 *inch.*
- 5th Division (Pursevaukum, Egmore, or Elemboor, Vepery), Sections 1 to 4, on 4 sheets. *Scale,* 200 *feet to* 1 *inch.*
- 6th Division (Poodoopaukum, Noongumbaukum, Cheytpett, Kilpauk), Sections 1 and 2, on 2 sheets. *Scale,* 400 *feet to* 1 *inch.*
- 8th Division (St. Thomé or Mylapoor, Kistnampett, Royapett, Teynampett), Sections 1 and 2, on 2 sheets. *Scale,* 400 *feet to* 1 *inch.*

Map of the Town of MADRAS and the Surrounding Country, comprising Sydapet Taluk. Reduced from the Maps of the Revenue Survey executed in 1867 and 1868. Chepauk, 1870. *Scale,* 2 *inches to* 1 *mile; on* 4 *sheets; size,* 64 *inches by* 52.

10. MADURA DISTRICT.*

Including six Taluks. The New Revenue Survey has not been commenced.

Map of the MANAPARRA POLLAMS as surveyed by J. Allan, T. Turnbull, A. Johnson, and W. Fletcher, of the Madras Observatory, in the years 1803 and 1804. *Scale,* 1 *mile to* 1 *inch; size,* 58 *inches by* 49. MS.

Map of the PROVINCE of DINDIGUL, as surveyed in the years 1815 and 1816, by T. Turnbull, W. Keyes, J. Aikin, C. Perara, W. Bird, C. McMahon, and A. Chamaratt, Assistant Surveyors. *Scale,* 1 *mile to* 1 *inch; size,* 82 *inches by* 90. MS.

Map of the PROVINCE (Collectorate) of DINDIGUL from the Survey executed in 1815. Colin Mackenzie, Surveyor-General of India. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 26. MS.

Plan of the TALOOKS of MADACOLUM, TRIMUNGALUM, MELLOOR, and MURUNGAPOOR, of the Province of Madura. Surveyed in the years 1830, '31, '32, under the superintendence of Capt. B. S. Ward, Surveyor-General's Department. *Scale,* 2 *miles to* 1 *inch; in* 2 *parts; size,* 58 *inches by* 38. MS.

Map of the DINDIGUL DISTRICT. Compiled in the Office of Surveyor-General of India, from the original Surveys executed in 1821 on 1 mile to an inch. March 1836. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 22. MS.

Geographical and Statistic Memoir of the PROVINCE or COLLECTORSHIP of DINDIGUL. Surveyed in 1815-16, by Thomas Turnbull, William Keyes, and other Assistant Native Surveyors under the instructions and direction of the Surveyor-General's Office at Fort St. George. Signed Colin Mackenzie, Surv.-Gen. of India. Calcutta, December 17, 1817. In 2 vols., folio. half bound. MSS.

Statistic and Geographical Memoir. MARAWAR or RAMNAD, the ISLE of RAMISERAM, and TONDIMAN'S COUNTRY. Surveyed in 1814, under the direction of the Surveyor-General's Office, Fort St. George, July 1817. Signed Colin Mackenzie, Surv.-Gen., India. Folio, half bound. MSS.

The MADURA COUNTRY (DISTRICT). A Manual compiled by order of the Madras Government, by J. H. Nelson, M.A., of the Madras Civil Service and late Fellow of King's College, Cambridge. In Five Parts. Madras, 1868. In one thick volume. 8vo. cloth.

11. MALABAR DISTRICT.

Reports of a Joint Commission from BENGAL and BOMBAY appointed to inspect into the state and condition of the PROVINCE of MALABAR, in the years 1792 and 1793. Madras, 1862. Royal 8vo., cloth.

A Survey of the TEAK FORESTS in the District of Palghaut. Samuel Goodfellow, Capt. Lieut., Engrs. Received June 1809. *Scale,* $1\frac{5}{8}$ *miles to* 1 *inch; size,* 23 *inches by* 27. MS.

"The forests and means of transporting therefrom being the sole objects in the Survey, no attention has been paid to the interjacent cultivated country."

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* See General Maps of the Southern District, page 319.

Map of the PROVINCE of MALABAR. That portion of Malabar south of the Ponany River was surveyed under the superintendence of Lieuts. P. Conner and B. S. Ward in connection with the Survey of the Travancore and Cochin States. The country north of the Ponany was surveyed under the superintendence of Captain B. S. Ward during the years 1825, '26, '27, '28, and '29. Deputy Surveyor-General's Office, Madras, 15th December 1832. *Scale, 2 miles to 1 inch; in 3 parts; size, 84 inches by 64.* MSS.

*** With a list of the names of Cusbahs and principal Villages in Malabar, showing the difference in the orthography between the Revenue Board and the Survey.

Another copy in 9 sheets. MSS.

Plan of the Survey of the PROVINCE of MALABAR North of the Ponany River, executed during the years 1825, '26, '27, '28, and '29 under the superintendence of Capt. B. S. Ward. *Scale, 1 mile to 1 inch.*

*** Field copy of No. 4 only, including the southern part from the Ponany River northward to Beypoor and Wullianad. *Size, 37 inches by 78.* MS.

MALABAR SURVEY. General Description of the Province, articles of export and import in 1828–29. Boundaries. Description of the Talooks. By Captain B. S. Ward, Surveyor in Malabar. In 1 vol., folio, half bound. MS.

MALABAR SURVEY. Calculation of Triangles, Stations, &c. 25 pages, folio. MS.

A KANESHUMAURY or STATISTICAL TABLE of the PROVINCE of MALABAR. 20 pages, folio. MS.

Map of Land reserved for TEAK PLANTATION in the NILAMBUR VALLEY, MALABAR DISTRICT. 1873. *Scale, 1 mile to 1 inch; size, 24 inches by 40.*

CANNANORE and CALICUT BARRACKS:—

1. Indian Atlas, sheet 44, with the military roads from Cannanore, coloured.
2. Plan of the Cantonments of Cannanore.
3. Fort of Cannanore, on 2 sheets.
4. Artillery Barracks, on 4 sheets.
5. European Barracks, on 2 sheets.
6. European Hospital, on 1 sheet.
7. Revised Plan of Calicut and West Hill.
8. Key Plan of West Hill Barracks, Calicut.
9. Survey of West Hill Barracks, Calicut, on 4 sheets.

MALLIAPOORAM CANTONMENT. *See* Nilgiri District.

Malabar Roads.

Sketch of the ROAD from Mambat to the Foot of the Carcur Ghat Trace. Sub-Engineer's Office, Malliapooram, Malabar, 11th October 1862. *Scale, 800 feet to 1 inch; size, 8⅔ feet by 1½ feet.* On tracing cloth. MS.

Plan of BRIDGES and TUNNELS for the Road from Mambat to the foot of Carcoor Ghat. 1862. *Size, 28 inches by 40.* On tracing cloth. MS.

*** With a supplement, tracing the road from the Ghat to Goodaloor.

A General Map of the ROADS in MALABAR, and their extensions into Mysore, the Neilgherry Mountains, and Coimbatore. 1861. No title. *Size, 25 inches by* 31. MS.

Madras Revenue Survey of Malabar.

I.—*District Map.*

Map of the PROVINCE (or District) of MALABAR, showing the New Boundaries of Taluqs. Lithographed at Chepauk, 1864. *Scale,* 2 *miles to* 1 *inch ; on* 9 *sheets ; size of each,* 31 *inches by* 23.

II.—*Taluk Maps in Malabar District.*

Map of WYNAAD. Surveyed under the Superintendence of Capt. B. S. Ward, during the years 1825, '26, '27, '28, and 29. Lithographed at Madras, Revenue Survey Press, 1860. *Scale,* 2 *miles to* 1 *inch ; size,* 25 *inches by* 35.

III.—*Estate Maps in Wainad Taluk, on a scale of* 16 *inches to a mile.*

1. Adelaide.
2. Advakunu.
3. Alatur.
4. Annette.
5. Aramalla.
6. Askern.
7. Bleak house.
8. Bon Espoir.
9. Bramagherry.
10. Bushy Park.
11. Caliotechola.
12. Canote.
13. Caroline.
14. Chambra.
15. Chambrani.
16. Charlotte.
17. Charlotte.
18. Chemballa Mallay or Goodaloor Estate.
19. Collissie.
20. Coonambutty.
21. Coondoor.
22. Cullur.
23. Drumcree.
24. Emily.
25. Faith.
26. Field.
27. Glenlee.
28. Glenrock.
29. Guynd.
30. Hamslade.
31. Helen.
32. Hope.
33. Huntley.
34. Jane.
35. Kallaid.
36. Kalpetta.
37. Kanotemotankunu.
38. Kanotemulla.
39. Kattupanichola.
40. Katikolum.
41. Kurchamalla.
42. Langcliffe.
43. Lekadi.
44. Lower Harewood.
45. Mary.
46. Mary Bagherry.
47. Mowbray.
48. Mundamulla.
49. Needlerock (2 parts).
50. Pandurang.
51. Perindametal (2 parts).
52. Perseverence.
53. Pew Tirunelly.
54. Periachola.
55. Pookote.
56. Pulikad.
57. Rassallas.
58. Richelieu.
59. Richville.
60. Sandy Hill.
61. Strathern.
62. Talapoya.
63. Teddington.
64. Tettamalla.
65. Tindamel.
66. Umbellamulla.
67. Upper Harewood.
68. Urkarakunu.
69. Vellarikunu.
70. Vitri.
71. Wallace.
72. Walthamstone.
73. Wainad.
74. Wayacoon.
75. Woodlands.
76. Yella Malla (2 parts).

The Estates, Amshams, and Desams of Wynaad are not distinguished on this map. They can only be found on the "Map of the Neilgherries, Koondahs, and Wynaad," by C. R. Markham, page 362.

1. The Estates numbered 1, 6, 13, 15, 24, 36, and 75 are in *Kalpetta* (Culpetta, Culpetty) *Desam* and *Edanarsur* (Edenursur, Edanadassur, Eddanursoor) *Amsham.*
2. The Estates numbered 8, 65, and 73 are in *Tindamel* (Dindamel, Dindimul) *Desam* and *Edavaga* (Edavaka, Eddavaga, Yeddavugah) *Amsham.*
3. The Estate numbered 39 is in *Aratutara* (Arataterra) *Desam* and *Ellurnad* (Nallurnad, Nalurnad, Nullonaád, Ellonaád) *Amsham.*

4. The Estates numbered 3, 19, 27, 33, 50, 58, and 59 are in *Teruchelery* (Trichelary, Trichellary) *Desam* and *Ellurnad Amsham.*
5. The Estates numbered 9, 21, 23, 40, 42, 46, 53, 57, 69 are in *Terunelly* (Tirunelly, Terenully, Tirenully) *Desam*, and *Ellurnad Amsham.*
6. The Estates numbered 2, 7, 10, 12, 11, 38, 63, 68, 74 are in *Vemote Desam* and *Ellurnad Amsham.*
7. The Estate numberel 37 is in *Oyakoai Desam* and *Ellurnad Amsham.*
8. The Estate numbered 56 is in *Pulikad Desam* and *Ellurnad Amsham.*
9. The Estates numbered 28 and 61 are in *Nellialum* (Nelialam) *Desam* and *Munanad* (Munad, Mumnad) *Amsham.*
10. The Estates numbered 18, 29, 31, 35, 54, 60, 66, 76 are in *Gudalur* (Godalur, Udalur, Gadalur, Goordaloor) *Desam* and *Nambalakat* (Nambolakat, Nambolakode, Nambolokoda, Numbolycode, Numbolycotta) *Amsham.*
11. The estates numbered 30, 44, 49, 52, 67 are in *Devalu* (Devala) *Desam* and *Nambalakat Amsham.*
12. The Estate numbered 45 is in *Kunlum Desam* and *Tondornad* (Thondernad, Tendernadterra, Tondurnad, Tondonaád) *Amsham.*
13. The Estates numbered 4, 5, 20, 22, 43, 47, 48, 51, 70, 71 are in *Kunnatta Edavaga* (Kunat Edavaga, Kunatha Edavaga) *Desam* and *Vitriul Desam* (Vythery, Vykery) *Amsham.*
14. The Estates numbered 14, 16, 17, 25, 26, 32, 34, 41, 55, 62 are in *Vitri* (Vitriul, Vythery, Vyteery) *Desam* and *Vitriul Desam Amsham.*

Amsham or *Umshum* is the name of a fiscal district, including all the places in the same collection.

Desam is equivalent to a domain or proprietary group.

Sketch Map of the Roads completed and in course of construction in the DISTRICT of WYNAAD.

By Capt. Robt. Kennedy, Special Executive Engineers' Office, Lackadie, Wynaad, 1867. *Scale*, 2 *miles to* 1 *inch; size*, 24 *inches by* 36.

Government Forest Maps in MALABAR DISTRICT.

Scale, 10 *chains to* 1 *inch.*

In Ernad Taluk.

1. Nellikutta.
2. Muriat.
3. Karien.
4. Kanakut.
5. Panayangote Valuvasheri and Pokóte.
6. Chethamboria.
7. Erambodam.
8. Arimbra-kuta-mala.'
9. Ambalakandi. *Scale*, 5 *chains to* 1 *inch.*
10. Mangalasheri-Paramba.
11. Nilambur block.

In Calicut Taluk.

12. Mangalasheri-Paramba.
13. Putalatha and Chitarikel-Paramba.

12. NILGIRI HILLS DISTRICT.

Map of the NEILGHERRY MOUNTAINS upon a scale of 1,000 feet to 1 inch.

Surveyed under the superintendence of Captain F. Ouchterlony, 1848. The Hills are coloured green. In separate parts marked A, B, C, D, , , G, H, I, K, L (incomplete). *Size of each*, 36 *inches by* 50. MSS.

Also a distinct series on the same scale, incomplete, marked A, C, E, E, F, G, H. MSS.

Index and Triangulation Sheet of the Survey of the NEILGHERRY MOUNTAINS. 1847. Signed J. Ouchterlony, Capt. Superintendent Revenue Survey. *Scale,* 1¼ *mile to* 1 *inch; size,* 22 *inches by* 29. MS.

A Drawing of the NEILGHERRY and KOONDAH MOUNTAINS. No title. Dated Survey Office, Ootacamund, 18th December 1852. J. Ouchterlony, Captain, Engineers, &c. *Scale,* 4 *miles to* 1 *inch; size,* 25 *inches by* 20. MS.

Map of the KOONDAH MOUNTAINS, Coimbatore District, surveyed under the superintendence of the late Lieut.-Colonel J. Ouchterlony, Royal Engineers, in the year 1851 and 1852. *Scale,* 1,000 *feet to* 1 *inch; on* 16 *sheets; size of each,* 22 *inches by* 27; *price* 30*s.*

A Drawing of the NEILGHERRY and KOONDAH MOUNTAINS. with a tabular reference to 107 localities, besides other details. No title. Dated Survey Office, Ootacamund, 16th July 1852, and copied in the Surveyor General's Field Office, Dehra Doon, 22nd February 1853. *Scale,* 4 *mile to* 1 *inch; size,* 27 *inches by* 39. MS.

An unfinished Drawing of part of the NEILGHERRY and KOONDAH MOUNTAINS, south and west of Ootacamund. No title or date. *Scale,* 4 *miles to* 1 *inch; size,* 20 *inches by* 10. MS.

Skeleton Map of the DISTRICTS of COIMBATORE and MALABAR, showing the portion recently surveyed (Neilgherries and Koondahs) in green, and the tract of country and roads which it is proposed to complete in yellow. Signed J. Ouchterlony, Supt. Neilgherry Survey. No date. *Scale,* 4 *miles to* 1 *inch; size,* 29 *inches by* 38. MS.

Geographical and Statistical Memoir of a Survey of the NEELGHERRY MOUNTAINS in the Province of Coimbatoor, made in 1821 under the superintendence of Captain B. S. Ward. Folio, stiff cover. MS.

Plan of the NEELAGHERY MOUNTAINS in the DANARKENCOTA TALOOK, and part of the SATTIMUNGALUM and COIMBATORE TALOOKS. Surveyed by W. Keyes and C. McMahon, Assistant Revenue Surveyors. 1812. *Scale,* 1 *mile to* 1 *inch; size,* 60 *inches by* 39. MS.

Map of the NEILGHERRY MOUNTAINS. Reduced from the Recent Survey. Survey Office, 4th November 1848. Lithographed in 1856. With Hills coloured green. Fort St. George, 1846. *Scale,* 1¼ *miles to* 1 *inch; size,* 22 *inches by* 34.

The same with Hills in black, and the settlements of Europeans and natives coloured.

The same, plain.

Geographical and Statistical Memoir of a Survey of the NEILGHERRY MOUNTAINS, under the superintendence of Capt. J. Ouchterlony, 1847. 145 pages, 8vo., stiff cover.

An ACCOUNT of the TRIBES on the NEILGHERRIES, by J. Shortt, Esq., M.D., &c., and a Geographical and Statistical Memoir of the Neilgherry Mountains, by the late Colonel Ouchterlony. 1868. 8vo., bound.

Map of the NEILGHERRIES, KOONDAHS, and WYNAAD, to illustrate the progress of Chinchona cultivation up to July 1866, by Clements R. Markham. *Scale,* 2 *miles to* 1 *inch ; size,* 36 *inches by* 52 ; *price,* 6*s.*

Outline Map of the COONOOR SETTLEMENT, surveyed in 1867 and 1868 by Sub-assistant T. Fraser and a detachment of No. 1 Revenue Survey. Party under the superintendence of Major W. S. Hessey. *Scale,* 24 *inches to* 1 *mile. With an enlargement of Coonoor town on the scale of* 48 *inches to* 1 *mile. In six sections ; size of each about* 60 *inches by* 40.

Topographical Map of the COONOOR SETTLEMENT, including the WELLINGTON CANTONMENT, reduced from the original map of the survey made in 1867 and 1868. Surveyed under the superintendence of Major Hessey by Mr. Sub-assistant Fraser and a detachment of No. 1 Revenue Survey Party. Hill sketching by Messrs. James and Clarkson. Revenue Survey Office, Chepauk, 28th July 1871. *Scale,* 8 *inches to* 1 *mile ; size,* 39 *inches by* 37.

The ROADS from the NEILGHERRY MOUNTAINS and the WYNAAD to the Coast on the West, and to the MADRAS RAILWAY, &c. on the South and East. On tracing cloth. No title or date. Signed H. W. Rawlins, Captain, Asst. to the Chief Engineer. *Scale,* 4 *miles to* 1 *inch ; size,* 27 *inches by* 32. MS.

Map of the NEILGHERRY MOUNTAINS. Reduced from Captain J. Ouchterlony's Survey. Madras, June 1870. *Scale,* 2,000 *feet to* 1 *inch ; on* 10 *sheets ; size of each,* 29 *inches by* 22 ; *price,* 25*s.*

OOTACAMUND on the NEILGHERRIES. 1856. *Size,* 26 *inches by* 40.

LAWRENCE ASYLUM at OOTACAMUND. Marked drawings, Nos. 2, 3, 4, 5, 6, 7. Joined in two parts ; *size of each,* 37 *inches by* 45. On tracing cloth. MSS.

COONOOR NEW GHAT, showing the present road from Matepolliem to Coonoor. The trace for a new road made by Capt. Francis, of the Madras Engineers, and the alteration proposed by W. Fraser, C.E. 1860. *Scale,* 300 *feet to* 1 *inch ; size,* 170 *inches by* 37. On tracing cloth. MS.

Another copy on tracing paper, mounted. MS.

COONOOR on the NEILGHERRIES, 1856. *Size,* 11 *inches by* 15. Both views drawn from nature and on stone by H. L. Frazer. Printed at the Surveyor-General's Office, Calcutta.

JACKATALLA BARRACKS. 1. Plan, Section, and Elevation of Military Prison. 1859. *Size,* 24 *inches by* 31. 2. Details of Furnace and Hot-air Pipes. *Size,* 18 *inches by* 22. 3. Plan and Section of the proposed Line of Sewerage from Jackatalla Barracks, past Coonoor Bridge. *Size,* 15 *inches by* 24. MSS.

MALLIAPOORAM (MULLAPOORUM) CANTONMENT and BARRACKS in MALABAR DISTRICT, and WELLINGTON CANTONMENT and BARRACKS in the NEILGHERRY District:—

1. Indian Atlas, sheet 61, containing both Malliapooram and Wellington, with the military roads coloured.
2. Survey of the Cantonment of Wellington on the Neilgherry Hills. December 1868. *Scale, 6 inches to 1 mile.*
3. Key Plan of the Military Buildings at Wellington.
4. Survey plans and sections of the Military Buildings at Wellington, on 6 sheets.
5. Plan of the Cantonment for the European Barracks, &c. at Malliapooram. Revised and corrected up to August 27th 1866.
6. Plans of Barracks at Malliapooram.

13. NELLORE DISTRICT, including Nine Taluks.

Sketch of the TRACT surveyed in the NELLORE DISTRICT. C. Snell, Capt. Surveyor. Season 1833–34. *Scale, 16 miles to 1 inch; size, 12 inches by 9.* MS.

Sketch of the TRACT surveyed in the NELLORE DISTRICT. Season 1835. C. Snell, Capt. Asst. Surveyor General. *Scale, 16 miles to 1 inch; size, 16 inches by 11.* MS.

Sketch of the TRACT surveyed in the NELLORE DISTRICT, during the season 1836. *Scale, 16 miles to 1 inch; size, 12 inches by 10.* MS.

Descriptive Memoir of the TRACT of COUNTRY surveyed in NELLORE in 1836. C. Barnett, Assistant Surveyor. On 7 pages, foolscap. Unbound.

REGISTER of TRIANGLES with lists of latitude and longitude in NELLORE. Foolscap, half bound.

Map of the TRACT of COUNTRY surveyed in the NELLORE DISTRICT during the seasons 1833, '34, '35, and '36. Signed S. C. Macpherson, Lieut. Assistant Surveyor General. *Scale, 2 miles to 1 inch; on 4 sheets; size of each, 26 inches by 38.* MSS.

Map shewing the Tracts set aside for FUEL RESERVES in the vicinity of METAPALAYAN at the foot of the NEILGHERRIES, marked H. K. and M. *Vide* G. O. No. 1671, dated 25th September 1871, Revenue Department. *Scale, 1½ miles to 2 inches; size, 26 inches by 40.*

A part of the NELLORE SURVEY in 2 sheets endorsed Da. 27. Sheet 1 contains Venkatagherry and Calahastry. Sheet 2 contains the country about the north part of Pulicat Lake. *Scale, 2 miles to 1 inch; size of each, 26 inches by 21.* MS.

The NELLORE SURVEY. Dated S. G. O. Allahabad, August 1845. *Scale, 1 mile to 1 inch; on 37 sheets, each containing 20° of Latitude and 15° of Longitude; size of each, about 20 inches by 25.* MSS.

Re-survey of the WOODIAGHERRY ZEMINDARY in the Nellore District. Dated G. S. O. Allahabad, August 1845. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 36. MS.

Re-surveys of parts of the NELLORE SURVEY contained in Sheets 16, 17, 20, 21. Dated S. G. O. Allahabad, 1845. *Scale,* 1 *mile to* 1 *inch; on* 4 *sheets marked* [*a*], [*b*], [*c*], [*d*]; *of various sizes, about* 14 *inches by* 22. MSS.

Bridge of 45 Arches of 15 Yards Span for the PENNAUR RIVER, Trunk Road, No. 8. *Scale,* 6½ *yards to* 1 *inch; size,* 11 *inches by* 19. MS. tracing.

MADRAS REVENUE SURVEY OF NELLORE DISTRICT.

I.—DISTRICT MAP.

Map of the NELLORE DISTRICT, showing the new boundaries of Taluq. Lithographed at the Fort Press, Chepauk, 1866. *Scale,* 2 *miles to* 1 *inch; size,* 86 *inches by* 45.

II.—TALUK MAP.

Map of the KAVALI TALUK, NELLORE DISTRICT, reduced from the maps of the Revenue Survey completed in 1867. By F. C. Puckle, Esq., M.A., Deputy Superintendent, Revenue Survey. Chepauk, 1870. *Scale,* 1 *mile to* 1 *inch; on* 2 *sheets; size,* 44 *inches by* 38.

III.—VILLAGE MAPS arranged in Taluks.

1. *Villages in Atmakur Taluk.*

Abbasahebupeta Gudipadu	No.	3
Abbipuram Anamasamudrampeta, &c. (Zemindary)	"	—
Akbarbad Ashnapuran, &c. (Zemindary)	"	—
Amanichiruvella	"	50
Anamasamudram (2 parts)	"	12
Anantasagaram	"	57
Aravetipalli Kistipuram (Shrotriem)	"	15
Araved	"	19
Baddevol	"	66
Bandarupalli Murugulla	"	41
Battepadu	"	39
Battulapalle	"	89
Bedusupalli Lingamgunta	"	48
Billupad (Shrotriem)	"	76
Bogasamudram (Shrotriem)	"	90
Bommavaram	"	53
Botikelapadu Gandlavedu (Zemindary)	"	—
Boyalacheruvella	"	20
Bramhanapalli (Zemindary)	"	—
Bukkapuram (Shrotriem)	"	2
Chaparallapalli (Shrotriem)	No.	54
Chavutabhimavaram (Zemindary)	"	—
Chendalurupadu (Zemindary)	"	—
Chendrapadiya (Shrotriem)	"	1
Chiramana	"	25
Chintalapalem (Zemindary)	"	—
Chiruvella (Khandrika, Shrotriem)	"	36
Depuru	"	43
Devarayapalli Kottapalli, &c. (2 parts)	"	47
Dharmaravucheruvupalli	"	17
Dubugunta	"	14
Gavuravaram	"	52
Gollapalle	"	82
Gumparlapadu	"	5
Inagaluru Vengampalli	"	49
Isakapalli (Shrotriem)	"	68
Jangalapalli (Shrotriem)	"	42
Kakarlapad	"	10
Kakivaya Khandapuram	"	72
Kalayapalem (Shrotriem)	"	78
Kaluvaya	"	67

Kamireddipad (Shrotriem)	- No.	56
Kanupurupalli (Shrotriem)	- "	40
Karatampad Satanapalli	- "	18
Kolugotla Virlagudipad	- "	33
Kondamidikonduru -	- "	24
Korimerla (Khandrika) -	- "	27
Kulluru (2 parts) -	- "	63
Kunalammapadu (Shrotriem)	- "	7
Kuppurupad (Shrotriem)	- "	23
Lakkarazupalem, &c. (2 parts)	- "	45
Madanagaripalli, &c. (2 parts)	- "	64
Mahammadapuram -	- "	96
Mahimaluru - -	- "	46
Mustufapuram - -	- "	6
Nadigaddamanudur -	- "	86
Nagulapadu Ravulakollu, &c.	- "	37
Nagulavellaturu -	- "	77
Nallapalem - -	- "	93
Narammapeta Nellurupalem	- "	35
Navur - - -	- "	101
Nedurupalli Yerraballi -	- "	88
Nilayapalem (Shrotriem)	- "	26
Nukanapalli Kollavapalli	- "	69
Nuvvurupad - -	- "	38
Padakandla Vennavada, &c.	- "	16
Padamatikambhampadu	- "	61
Pader - - -	- "	—
Pamidipadu (Shrotriem)	- "	21
Pandipad - -	- "	11
Patallapalli - -	- No.	60
Patapad - -	- "	84
Peda Annaluru - -	- "	4
Peramanazangaladoruvu	- "	31
Perumallapadu Puttupalli	- "	81
Ponguru (3 parts) -	- "	51
Prabhagiripatnam (3 parts)	- "	92
Rajavolu - -	- "	13
Revuru - - -	- "	44
Shrikolanu - -	- "	—
Somasila (Shrotriem) -	- "	62
Surayapalem - -	- "	87
Talupurupadu (Shrotriem)	- "	29
Tatiparti - -	- "	—
Telugurayapuram -	- "	73
Timmayapalem (Shrotriem)	- "	80
Topugunta (Agraharam Shrotriem) - -	- "	70
Topugunta (2 parts) -	- "	71
Turpukambhampadu, &c.	- "	—
Uppalapadu - -	- "	59
Variguntapadu - -	- "	58
Velagapadu (Zemindary)	- "	—
Veligantipalem (Shrotriem)	- "	94
Velpulugunta (Shrotriem)	- "	8
Virur - - -	- "	95
Yanamadala Yerraballi -	- "	75
Yedavalli - -	- "	9

2. *Villages in Gudur Taluk.*

Akkamapeta (Zemindary)	- No.	—
Aletipadu Chittamuru -	- "	95
Amudalapad (Shrotriem)	- "	7
Annupallipadu (Shrotriem)	- "	16
Annambaka (Shrotriem)	- "	81
Anikapalli Golagamudi -	"	13
Anumarlapudi (Agraharam)	- "	—
Atakanidibba - -	- "	107
Ayyavaripalem (Zemindary) (3 parts) - -	- "	—
Bauddenolu - -	- "	44
Bandepalli Jattakonduru	- "	26
Beripetakarnapalem, &c.	- "	111
Bhavanagiripalem (Shrotriem)	- "	56
Bramhadevam - -	- "	9
Budanam - -	- "	59
Chandrasikuppam, &c. -	- "	100
Chengalpalem - -	- "	108
Chennugaripalem -	- "	113
Chennuru (4 parts) -	- "	48
Chendodu - -	- "	80
Cherukumudi (2 parts) -	- "	22
Chillakuru - -	- "	62
Chilamuturu - -	- "	72
Chittedu Kasavaram -	- "	—
Damaravaya Kolapatta -	- "	105
Dorivaripalem Kalivadu	- "	110
Gudali - - -	- No.	79
Gunupadu - -	- "	76
Gurivindapudi (Shrotriem)	- "	28
Idagali - - -	- "	31
Idimepalli Jangalapalli -	- "	30
Ippapudi (Zemindary) -	- "	—
Irakam - - -	- "	116
Isvaravaka - -	- "	93
Kadapattada Tolakatla (2 parts)	"	103
Kadivedu (3 parts) -	- "	68
" Key Map -	- "	—
Kakitalapuru (Shrotriem)	- "	29
Kalavakuduru - -	- "	32
Kalavangu - -	- "	109
Kallipadu (Shrotriem) -	- "	74
Kandalepadu (Shrotriem)	- "	18
Kandapallipadu (Shrotriem)	- "	71
Kandra (Zemindary) -	- "	—
Kandali Chemidide (Zemindary)	"	—
Kandukur (Shrotriem) -	- "	52
Kanupuru (3 parts) -	- "	17
Kapuluru - -	- "	73
Kasipuram (Shrotriem) -	- "	88
Kasumuru (Shrotriem) -	- "	20
Kattanapalli - -	- "	43
Kondepalli (Shrotriem)	- "	15
Koradi Papaneri -	- "	106

Kota (4 parts)	No.	86
Kakaramulimavalam	„	101
Krishtnapatnam (2 parts)	„	3
Kuchenada (Shrotriem)	„	75
Kuditipalli (Shrotriem)	„	25
Kuracharlapad (Shrotriem)	„	21
Kurugonda	„	77
Latchmakka (Khandrika)	„	87
Madamanur	„	24
Malaganur	„	91
Malluru (Zemindary)	„	—
Mamidipadu (Shrotriem)	„	6
Mangalapurum	„	50
Manubolupeduru (Zemindary)	„	—
Mattamboka	„	96
Mattampadu (Shrotriem)	„	19
Mekanur (Shrotriem)	„	54
Mittalukuru (Zemindary)	„	—
Mudumudi (Shrotriem)	„	27
Muttukuru	„	4
Mutyalapadu	„	64
Narikellapalli	„	35
Nagulavaram	„	14
Nakkalakolu, &c. (Shrotriem)	„	63
Nataripalem	„	114
Nellapalli Rettapalli	„	60
Neltaturu	„	49
Nellorupalli	„	85
Nyalatur	„	2
Ojili (Zemindary)	„	—
Policherlakonda, &c. (Zemindary)	„	—
Polipadu (Shrotriem)	„	57
Pallamala	„	83
„ (Khandrika)	„	84
Pambali (Shrotriem)	„	98
Pandrangam Raganapatra	„	104
Parlapadu (Shrotriem)	„	23
Parlapalli (Shrotriem)	„	67
„ (Zemindary)	„	9
Payenampuram	No.	1
Pedaperiya	„	58
Pellakuru Mitta	„	—
Pentapadu (Shrotriem)	„	65
Penupakam	„	102
Penubarti	„	12
Pidatapoluru	„	8
Pidatalapudi Tikkavaram (4 parts)	„	45
Pondluru Ayapareddypalem (Zemindary)	„	—
Ponnavolu (Shrotriem)	„	41
Pudiparti (2 parts)	„	33
Pudirayadrovu (Zemindary)	„	—
Punjurupadu (Shrotriem)	„	34
Reddigunta (Zemindary)	„	—
Reddipalem (2 parts)	„	99
Rettamala, &c.	„	112
Rudravaram, &c.	„	78
Rudrayapalem (Shrotriem)	„	69
Sarvapalli (8 parts)	„	11
„ Key Map	„	—
Tallapudi Velluru	„	10
Tammanapatnam (4 parts)	„	37
Tanukumala (Zemindary)	„	—
Tettupetapudichenagaripalem	„	115
Tinnalapudi	„	89
Tippanuru (Shrotriem)	„	61
Vakadu (2 parts)	„	92
Vallipedu	„	82
Valluru (Khandrika)	„	5
Vedicherla	„	51
Venadu	„	117
Vendodu (3 parts)	„	53
Vijaya Nelluru (Shrotriem)	„	70
Vinduru (3 parts)	„	47
Vurlavaripalem (Zemindary)	„	—
Yellasairi	„	94
Yeragatipalli	„	90

3. *Villages in Kandukuru Taluk.*

Ammavaripalem (Shrotriem)	No.	107
Anakarlapudi	„	4
Anantasagaram (Shrotriem)	„	93
Atmakuru	„	72
Ayyaparazupalem, &c.	„	17
Baddepudi (2 parts)	„	114
Basireddipalem, &c.	„	103
Binginipalli	„	62
Bittragunta	„	58
Chagollu	„	116
Chatukupadu (Khandrika)	„	29
Chavadavaram (2 parts)	„	39
Chinakandlagunta	„	5
Chinakandlagunta, &c. (Khandrika)	„	6
Chinakandlagunta, &c.	„	7
Chinavenkanapalem	No.	41
Chirrikurapadu	„	50
Darakanipadu	„	104
Davagudur	„	49
Dharmavaram	„	11
Dondapadu (Shrotriem)	„	70
Gundlapalem (Shrotriem)	„	102
Gurrapadiya	„	2
Gurrapadiya, &c. (Khandrika)	„	9
Ilavara	„	24
Ilavara, &c. (Khandrika)	„	30
Ippagunta	„	86
Jillellamudi, &c. (Khandrika)	„	76
Kalikivaya	„	57
Kancharagunta (Shrotriem)	„	95
Kanumalla	„	56

Kollurupadu, &c. - -	No.	67
„ (Khandrika) -	„	68
Kondamurusupalem - -	„	96
Kondapi, &c. (Khandrika) -	„	32
Kondareddipalem (Shrotriem) -	„	99
Kondikandukuru - -	„	75
Kottapeta - - -	„	113
Kovuru - - -	„	78
Krishnapuram (Shrotriem) -	„	115
Mannetikota - - -	„	66
Mekapadu - - -	„	16
Mulaguntapadu (Shrotriem) -	„	59
Muppalla, &c. (Khandrika) -	„	79
Muppalla - -	„	80
Nandanavanam, &c. - -	„	54
Nandanavanam - - -	„	55
Narasimhanarayani (Khandrika)	„	20
Narasingolu - - -	„	37
Narasingolu, &c. (Khandrika) -	„	38
Nekunampuram, &c. (2 parts) -	„	88
„ (Khandrika)	„	89
Nernurupadu - - -	„	3
Pachchava - - -	„	25
Pachchava, &c. (Shrotriem) -	„	26
Pakala - - - -	„	61
Pandulapadu - - -	„	77
Paletipadu, &c. (Khandrika) (2 parts) -	„	44
Paletipadu, &c. - - -	„	45
„ (Khandrika, Shrotriem) -	„	46
Palukuru (3 parts) - -	„	53
Paluru - - - -	„	71
Payidipadu - - -	„	35
Pedda Venkennapalem - -	No.	91
Peridevi - - -	„	33
Petluru, &c. (Khandrika) -	„	21
Petturu, &c. (Khandrika) -	„	22
Pirapuram, &c. (Khandrika) -	„	19
Ponnaluru - - -	„	84
Ponnaluru, &c. (Khandrika) -	„	85
Potluru - - -	„	111
Ramachandrapuram - -	„	36
Ramayapatnam - -	„	120
Ravuru - - -	„	121
Razulapalem (Shrotriem) -	„	108
Samirapalem - - -	„	87
Sanampudi - - -	„	65
Singamnenipalli - -	„	98
Singarayakonda (Shrotriem) -	„	64
Singaribhotlavari (Khandrika) -	„	82
Swarnajipuram, &c. - -	„	112
Tupadu (Shrotriem) - -	„	43
Uppalapadu - - -	„	42
Vaviletepadu - - -	„	47
Vellaturu, &c. (Shrotriem) -	„	83
Vempadu - - -	„	28
Venkatakrishnapuram (Shrotriem) - - -	„	12
Venkampeta (Shrotriem) -	„	105
Vennur - - -	„	40
Verepalli - - -	„	118
Vikkirelapeta - - -	„	52
Voguru - - -	„	73
Yedlurupadu (Shrotriem) -	„	92
Zarugumalli - - -	„	48
Zuvvigunta - - -	„	14

4. *Villages in Kanigiri Taluk.*

Anandapuram (Agraharam, Zemindary) - - -	No.	—
Ayyanapalem (Shrotriem) -	„	5
Balaka Venkatapuram (Shrotriem) - - -	„	39
Bontakutipalli (Shrotriem) -	„	34
Chendravaripalem, &c. (2 parts)	„	48
China Alavalapadu Dasullapalli -	„	37
China Cherlopalli Nandanavanam (2 parts) - - -	„	24
Chinagollapalli (Shrotriem) -	„	19
Chinnakesavapuram (Shrotriem)	„	32
Chintalapalem Virabhadrapuram (2 parts) - - -	„	55
Dasaripalli Timmareddipalli -	„	15
Doddichintala - - -	„	13
Ganesunipalli (Shrotriem) -	„	27
Gavuravaram Isullapalli, &c. -	„	22
Gurugupadu (Shrotriem) -	„	31
Hajisupuram - - -	„	4
Hanumantapuram, &c. - -	„	21
Kammapadu Ramagopalapuram (2 parts) - - -	No.	29
Kanchipuram (Shrotriem) -	„	6
Kristnapuram (Shrotriem) -	„	54
Kutagundla Mallavaram, &c. -	„	14
Latchmakkapalli (Zemindary) -	„	—
Machavaram Senkavaram (2 parts) - - -	„	8
Malekondapuram (Shrotriem) -	„	46
Muppalapadu - - -	„	26
Nallagundla (Shrotriem) -	„	18
Narasimhapuram (Shrotriem) -	„	47
Nasikatriyembakkam (Shrotriem) - - -	„	51
Peddivenkatayapalli (Shrotriem)	„	23
Polavaram (Shrotriem) - -	„	36
Potavaram (Shrotriem) -	„	42
Ramayapalli (Agraharam, Zemindary) - - -	„	—
Senkarapuram (Shrotriem) -	„	44
Somanapalli (Shrotriem) -	„	7

Talluru Chavutagogulapalli, &c. (Agraharam, Zemindary)	No.	—
Valicherla	„	20
Vedullacheruvu	„	28
Viragareddipalli Dossallapalli (Zemindary)	No.	—
Viswanadhapuram (Shrotriem)	„	40
Vitalapuram (Shrotriem)	„	43

5. *Villages in Kavali Taluk.*

Allimadugu (3 parts)	No.	52
Anemadugu	„	18
Annavaram	„	22
Ayitampadu (Shrotriem)	„	44
Bitragunta (2 parts)	„	35
Bodagudipadu (Shrotriem)	„	40
Bogavolu, &c. (3 parts)	„	49
Bramhanakraka (4 parts)	„	25
Budamagunta	„	26
Chamadala	„	37
Chennarayanpalem (5 parts)	„	31
Chennayapalem	„	17
Chinnakraka, &c. (2 parts)	„	23
Chintalapalem (Shrotriem)	„	13
Chinna Annaluru, &c. (9 parts)	„	6
Chintaladevi, &c. (4 parts)	„	5
Dundigam	„	43
Gavuravaram	„	34
Gattupalli, &c. (2 parts)	„	12
Gudavalur	„	3
Kaligherry (2 parts)	„	7
Kakuturu (Shrotriem)	„	9
Katrayapadu (Shrotriem)	„	47
Kattapalli	„	14
Kavurpalli	„	50
Kesavaram, &c.	„	11
Kodandaramapuram (Shrotriem)	„	24
Krishnapadu (Shrotriem)	„	38
Kummarakonduru (Shrotriem)	No.	10
Lingalapadu (Shrotriem)	„	46
Maddurupadu	„	15
Mallavaram (Shrotriem)	„	54
Mangamuru	„	32
Mannangi Tinne	„	29
Marellapadu (Shrotriem)	„	42
Marrigunta (Zemindary)	„	—
Musunuru	„	27
Nagasamudram, &c. (Zemindary)	„	41
Nekanampeta, &c.	„	2
Ravulakollu (Shrotriem)	„	8
Rudrakota	„	16
Rungasamudram (Shrotriem)	„	45
Sayapeta (3 parts)	„	1
Samhasavirapuram (Shrotriem)	„	33
Siddavaram, &c. (Shrotriem)	„	53
Siddanakondur	„	55
Somavarappadu (Shrotriem)	„	39
Tallapalem (3 parts)	„	28
Talluru	„	36
Tellapadu (Zemindary)	„	53
Tummalapenta (2 parts)	„	30
Umamaheswaram (Shrotriem)	„	51
Veligundla	„	4
Zakkepalli Guduru	„	48
Zaladanke (5 parts)	„	21
Zammulapalem	„	20

6. *Villages in Nellore Taluk.*

Alaganipad	No.	85
Allur (7 parts)	„	5
Alurupadu, &c.	„	47
„	„	74
Amancharla	„	142
Ambapuram (Shrotriem)	„	135
Amulur (South)	„	102
„ (North)	„	21
Anantabhotla (Khandrika)	„	18
Anantapuram, &c.	„	118
Anantavaram (Shrotriem)	„	3
Annareddipalem	„	41
Basavapalem	„	79
Bhujabhujanellore (Shrotriem)	„	130
Birangunta	„	19
Chamudugunta, &c.	„	131
Chavukacherla, &c.	„	81
Chennur (Shotriem)	„	27
Chinacherukur	„	98
Chintareddipalem, &c.	„	97
Dagadarti, &c.	„	25
Damaramadugu	No.	63
Damavaram, &c.	„	2
Damegunta	„	80
Dampur	„	17
Dandigunta	„	16
Desavadadinne, &c.	„	62
Davarapalem, &c.	„	139
Dontali	„	133
Gandavaram	„	46
Gangapatnam	„	88
Gangavaram (Shrotriem)	„	66
Gogulapalle	„	13
Gollakandukur	„	149
Gotlapalem (Shrotriem)	„	45
Grandagunta	„	9
Gudipallipad, &c.	„	94
Gundalammapalem	„	77
Gundlapalem (Shrotriem)	„	124
Iduru (2 parts)	„	116
Inamadugu, &c.	„	6
Indukurupata (2 parts)	„	108

Indupur	No.	11
Isakapallekurru	„	14
Isakapalem, &c.	„	54
Kaligirikonduru	„	32
Kallurupalle (Shrotriem)	„	126
Kamivenipad (Shrotriem)	„	1
Kanupartipad	„	125
Kavetipalem (Shrotriem)	„	56
Kodavalur	„	49
Kodayapalem	„	128
Kodur	„	114
Koduru (Khandrika, Shrotriem)	„	115
Komarika	„	109
Kondamur	„	146
Koruturu	„	112
Kottapalem	„	105
Kuditipalem	„	87
Kunkumapudi (Shrotriem)	„	132
Kunubotla (Khandrika, Shrotriem)	„	20
Lebur	„	92
Lyaguntapad	„	70
Maipad (2 parts)	„	111
Maktapuram	„	40
Maneguntapad	„	73
Mannavarappad (Shrotriem)	„	141
Marripad	„	34
Modegunta	„	75
Mogallapalem (Shrotriem)	„	143
Mopur (North)	„	10
Mudivarti	„	84
Mudivartipalem	„	89
Mungaladoruvu (Shrotriem)	„	101
Munulapudi (Shrotriem)	„	30
Nagamambapuram	„	52
Narukuru	„	99
Nayadipalem	„	48
Nedimusili	„	91
Nellore (8 parts)	„	134
Ogurupad (Shrotriem)	„	136
Padarupulle (Shrotriem)	„	127
Padugupad (Shrotriem)	„	68
Pallipad (Shrotriem)	„	93
Panchedu, &c. (Khandrika)	„	57
Parlapalle	„	76
Patur	No.	64
Pedacherukur (2 parts)	„	96
Pedaputtedu	„	44
Pedur	„	100
Penuballi, &c. (Khandrika)	„	58
„ „	„	60
Pogadadoruvu (Khandrika, Shrotriem)	„	106
Potladudi	„	104
Pottepalem	„	138
Purini	„	12
Ramanapalem	„	72
Razupalem	„	50
Rebala	„	53
Sajjapuram (Shrotriem)	„	148
Sangam	„	38
Sevaramapuram (Shrotriem)	„	117
Siddipuram, &c.	„	39
Sirrungarajapuram (Shrotriem)	„	61
Somarazupalle	„	110
Talamanchi	„	22
Tarunivaya	„	37
Teruvidhipad (Shrotriem)	„	31
Totapalle	„	119
Uchaguntapalem (Shrotriem)	„	23
Ulavapalla (Shrotriem)	„	4
Upputur (Shrotriem)	„	145
Utukur (2 parts)	„	86
Varigonda	„	121
Vavilatipad (Shrotriem)	„	122
Vavilla	„	82
Vavver	„	43
Vedayapalem (Shrotriem)	„	129
Vegur	„	71
Velicherla (Shrotriem)	„	6
Vellanti	„	147
Velukanipalli (Shrotriem)	„	103
Velupod (Shrotriem)	„	26
Venkanapalem	„	113
Venkanapuram	„	78
Vidavalur	„	83
Yallayapalem	„	51
Zangala (Khandrika, Shrotriem)	„	33
Zonnavada (Shrotriem)	„	59

7. *Villages in Ongole Taluk.*

Addanki (9 parts)	No.	10
Alavalapadu (2 parts)	„	20
Aluru (2 parts)	„	53
Ammanabrolu (2 parts)	„	56
Anamanuru (Shrotriem)	„	13
Annangi Burepalli	„	73
Baitamunzuluru (Shrotriem)	„	25
Bandlamudi	„	94
Bhatlamachavaram Madduluru	„	105
Bhimavaram	„	39
Bhusurapalli (Shrotriem)	„	101
Bodduvaripalem, &c. (3 parts)	No.	14
Bollapalli (2 parts)	„	27
Bollavarappadu, &c.	„	16
Bommanapadu	„	23
Budavada Chinamallavaram	„	30
Chedaluvada	„	66
Chejerla	„	54
Chekurupadu	„	63
Chendaluru (2 parts)	„	35
Chimakurti (2 parts)	„	96
Chinakottapalli, Govada	„	5

Chintagumpalli	No. 41
Chiruvanuppalapadu	,, 65
Dasarazuppalli, &c. (3 parts)	,, 57
Dharmavaram	,, 3
Doddavarappadu	,, 83
Duddukuru	,, 37
Gangavaram Santanutalapad (3 parts)	,, 88
Gonasapudi	,, 40
Gopalapuram (Shrotriem)	,, 7
Gudimellapadu (Shrotriem)	,, 61
Gundlapalli	,, 72
Hanumapuram Nidamanur (2 parts)	,, 69
Idumudi	,, 43
Inamanamelluru	,, 81
Janakavaram, &c. (2 parts)	,, 31
Jayavaram	,, 114
Jangamaheswarapuram Shrotriem)	,, 2
Kalavakuru (2 parts)	,, 24
Kandlagunta Vamevaram	,, 45
Kanduluru	,, 111
Kanuparti (3 parts)	,, 49
Karumanchi	,, 113
Kassiyapuram (Zemindary)	,, —
Kirtipadu	,, 71
Kolanchanakota	,, 76
Kondamuru	,, 21
Kondamunjaluru (3 parts)	,, 28
Kondurivari (Agraharam)	,, 95
Koniki	,, 38
Konijedu (2 parts)	,, 107
Kopperapadu	,, 34
Koppolu	,, 58
Korisepadu	,, 18
Kotapadu	,, 29
Kottakota Takkellapadu	,, 15
Kottapalli	,, 90
Lingamgunta	,, 85
Machavaram	,, 47
Maddipadu	,, 79
Maddirela Muppalla	,, 42
Maddiralapadu (Shrotriem)	,, 64
Mailavaram (Shrotriem)	,, 99
Mallavaram	,, 75
Mangamuru	,, 87
Manikeswaram	,, 11
Marlapadu	,, 110
Mattepadu Vemulapadu	No. 108
Mayinampadu (2 parts)	,, 91
Muktinutalapadu	,, 60
Muppavaram	,, 22
Naguluppalapadu	,, 67
Nandipadu (Shrotriem)	,, 80
Narsimhapuram (Shrotriem)	,, 8
Nelaturu	,, 77
Nennurupadu (Shrotriem)	,, 12
Nidamaluru	,, 112
Nujellapalli	,, 36
Ongole	,, 59
Padamati Takkellapadu (Shrotriem)	,, 106
Padarti	,, 51
Pamidipadu (Zemindary)	,, —
Pedajangalapalli Vallapalli	,, 4
Pedatalapudi	,, 103
Pichikelagudipadu	,, 19
Pidatalagudipadu	,, 92
Ponduru	,, 109
Potavaram	,, 68
Puligonda	,, 100
Pyarnamitta (2 parts)	,, 68
Rachapudi	,, 44
Rachavaripalem	,, 70
Ramachendrapuram (Shrotriem)	,, 102
Ramakuru	,, 26
Ramayapalem Timmayapalem	,, 9
Raparla	,, 48
Ravinutala (2 parts)	,, 33
Ravipadu (Zemindary)	,, —
Razupalem Latchmipuram (Shrotriem)	,, 97 ,, 98
Sitarampuram (Shrotriem)	,, 82
Somavarappadu	,, 17
Tanguturu (5 parts)	,, 115
Trovagunta	,, 62
Turupu Takkellapadu (Shrotriem)	,, 32
Uppugunduru	,, 46
Valaparla	,, 1
Velagapudi (Shrotriem)	,, 116
Velampalli	,, 78
Vencatesvarapuram (Shrotriem)	,, 74
Yaukipadu	,, 104
Yarragudipadu	,, 93
Yedugundlapadu	,, 84
Yendluru	,, 89

8. *Villages in Rapur Taluk.*

Adurupalli (Shrotriem)	No. 52
Akkamambapuram (Shrotriem)	,, 106
Alturti	,, 32
Anandamadugu (Shrotriem)	,, 86
Ankupalli (Shrotriem)	,, 30
Bandepalli (Zemindary)	,, —
Bazavapalli (Zemindary)	,, —
Biradavolu (Shrotriem) (3 parts)	No. 10
Chaganam	,, 74
Challaturu Kambbalapalli, &c.	,, 53
Chatagotta Amaram	,, 41
Cherlapalli Zarepalli	,, 105
Chikavolu Razulayeraguntapalem	,, 107
Chinagopavaram, &c.	,, 20

Chintalatukur	No.	5
Chipinapi (2 parts)	„	4
Chittaluru	„	21
Chuttupalem (Shrotriem)	„	64
Culimicherla	„	67
Davarammura	„	46
Degapudi	„	49
Degapudi Razupalem Kottabad	„	50
Devandlaya Raguntapalem, &c.	„	31
Dugguntakonagaluru	„	51
Garimanapenta (Shrotriem)	„	7
Gonunarasayapalem (Shrotriem)	„	62
Griddaluru	„	78
Guravayapalem Amaram	„	28
Gurivindapudi (Shrotriem)	„	13
Idulak (Khandrika, Shrotriem)	„	94
Inukurti Mudigudu	„	38
Jafalapuram (Shrotriem)	„	75
Kalichedu (Shrotriem)	„	47
Kanuparti	„	33
Kasulanativari (Khandrika, Shrotriem)	„	11
Kesaunenipalli Tirumalapadu	„	18
Komatigunta Razupalem (Shrotriem)	„	63
Koturupadu (Shrotriem)	„	103
Koturpalli (Shrotriem)	„	109
Kristnareddipalli (Shrotriem)	„	68
Linganapalam Amaram	„	15
Lingasamudram (Shotriem)	„	84
Malichedu (Shrotriem)	„	48
Manugala Venkatapuram Amaram	„	66
Marlapudi, &c.	„	95
Marripalli Gopasamudram (Shrotriem)	„	87
Marupuru (2 parts)	„	43
Mittapalli Amaram	„	91
Mungapadu (Shrotriem)	„	60
Molakalapundla, &c. (2 parts)	„	80
Mogollur	„	29
Nandinaya (Shrotriem)	„	34
Nayadipalli (Shrotriem)	„	61
Nellepalli Velugonu	„	99
Nernuru	„	24
Orupalli Amaram	No.	71
Orupalli Razupalemturimerla	„	72
Pallakonda	„	6
Palicherlapadu	„	44
Palurupalur Raghapalem	„	87
Pangiri (Zemindary)	„	—
Perrumallapadu, &c.	„	70
Pathallapalli (Shrotriem)	„	88
Pokkahdala (Shrotriem)	„	77
Parlapalli (Shrotriem)	„	39
Potalakuru (3 parts)	„	36
Potigunta Linganapalem	„	93
Pulikollu	„	25
Raganaramapuram Amaram	„	81
Rapur (4 parts)	„	102
Samudralanari (Khandrika, Shrotriem)	„	83
Sankarantipalli Amaram	„	59
Sanayapalem (Shrotriem)	„	56
Sidhavaram	„	104
Suddamalla (Shrotriem)	„	14
Takapalem Amaram	„	55
Tanamcherla (Shrotriem)	„	54
Tatipalli Amaram	„	58
Tegacherla	„	3
Timmana Ramapuram	„	65
Tippireddipalli	„	82
Tocham (Shrotriem)	„	69
Toderu	„	42
Tokalapudi Amaram	„	92
Tumaya Amaram	„	98
Turpupundla Ramasagaram	„	79
Uchapalem Amaram	„	27
Utlapalem (Shrotriem)	„	57
Utukuru	„	73
Uyyalapalli (Shrotriem)	„	108
Vadlapudi (2 parts)	„	45
Vandaluru (Shrotriem)	„	16
Vanintaparti	„	26
Vanileru	„	22
Vemulachedu Amaram	„	90
Viriyapalem (Shrotriem)	„	96
Yepur	„	101
Yerrapalli (Shrotriem)	„	2
Zogipalli Amaram	„	76

14. NORTH ARCOT DISTRICT.

Including nine Taluks.

Survey of NORTH ARCOT. Three Sheets of the South-western part, including Kongoondy Droog, Venkettagherrycotta, Amboor Droog, &c. Surveyed by Messrs. McMahon, Howard, and Allan. *Scale,* 1 *mile to* 1 *inch; size of each, about* 24 *inches by* 20. MSS.

Survey of part of the NORTH-WESTERN BOUNDARY of NORTH ARCOT, executed in 1837–38, under the superintendence of Lieut. S. C. Macpherson, Assistant Surveyor. *In* 2 *sheets. Scale,* 1 *mile to* 1 *inch; size of each,* 28 *inches by* 21. MSS.

*** The title is according to the endorsement on the back of the sheets. They do not join.

Map of the COLLECTORATE of NORTH ARCOT. *Scale of 2 miles to* 1 *inch.* Lithographed at Madras. No date. *On* 12 *sheets; size of each,* 27 *inches by* 20.

Brief Remarks on the POLYGARSHIP of CONGOONDY, on the Eastern Ghauts (North Arcot). By Captain J. Campbell, Assistant Surveyor-General, 1842. On 8 pages foolscap, in paper cover. MS.

15. SALEM DISTRICT.

Including nine Taluks.

Map of the SALEM DISTRICT, including the BARAMAHL, as surveyed during the years 1835, '36, '37, and '38, under the superintendence of Captain J. Campbell, Assistant Surveyor-General. *Scale,* 4 *miles to* 1 *inch; in* 2 *parts; size,* 37 *inches by* 32. MSS.

Reports on the SODA SOILS of the BARAMAHL (Salem District) and on the Kaolin Earth of Mysore. By Captain J. Campbell, Assistant Surveyor-General, 1841. On 11 pages foolscap, unbound. MSS.

The SALEM SURVEY. *Scale,* 1 *mile to* 1 *inch; on* 27 *sheets; size of each, various, but generally* 26 *inches by* 20. MSS.

Also, A KEY to the original Sections of the SALEM SURVEY. *Scale,* 8 *miles to* 1 *inch; size,* 21 *inches by* 17. MS.

Reductions of the Salem Survey :—

1. Salem Survey. Plan of new geographical matter collected during the past year, 1st Sept. 1835. Signed C. T. Hill, Lieutenant, Assistant Surveyor-General, &c. *Scale,* 8 *miles to* 1 *inch; size,* 18 *inches by* 12. MS.
2. Plan of work performed on the Salem and Baramahal Survey in season 1835–36. *Scale,* 8 *miles to* 1 *inch; size,* 13 *inches by* 11. MS.
3. Plan of work performed on the Salem and Baramahal Survey in season 1836–37. *Scale,* 8 *miles to* 1 *inch; size,* 8 *inches by* 15. MS.
4. Sketch of work surveyed by the Salem Survey from 1st Sept. 1837 to 1st Sept. 1838. *Scale,* 8 *miles to* 1 *inch; size,* 10 *inches by* 16. MS.

The PURGUNNAHS of OUSSOOR, BAUGLORE, SOLOGEERY, and ANKOSGEERY, from actual survey by Mr. Mather in 1800. Signed C. Mackenzie, Capt. Superintendent, Mysore Survey. *Scale,* 1 *mile to* 1 *inch; size,* 26 *inches by* 48. 2 copies. MSS.

Map of DENKENEKOTTA RANGE, SALEM FORESTS. Showing the Sandal-wood and Timber Tracts. No date. *Scale,* 1 *mile to* 1 *inch; size,* 34 *inches by* 41. Litho.

The KOLLYMULLAY HILLS, by Messrs. McMahon and Allan. No date. *Scale,* 2 *inches to* 1 *mile; on* 2 *sheets; size,* 35 *inches by* 23. MSS.

The SHERVAROY HILLS, by Messrs. McMahon and Allan. No date. *Scale,* 2 *inches to* 1 *mile; on* 2 *sheets; size,* 30 *inches by* 23. MSS.

SHERVAROYEN HILLS (Salem District). Central Office of P. W., Chepauk. September 1862. *Scale,* 2 *miles to* 1 *inch; size,* 14 *inches by* 19. On tracing cloth. MS.

*** To illustrate the Roads in the Shervaroy Hills.

Madras Revenue Survey of Salem District.*

I.—Village Maps, arranged in Taluks.

1. *Villages in Attur Taluk.*

Abinavaram	No. 156
Agrarakottampadi	„ 70
Alagaburam	„ 75
Appamasamudram	„ 67
Aratti (Agraharam)	„ 31
Argalur	„ 11
Aripalayam	„ 125
Attanurpatti	„ 164
Attavanaikottambadi (3 parts)	„ 71
„ „	„ 132
Attur	„ 64
Ayalapatti	„ 110
Chinakistnapuram	„ 153
Chinnasekkadi	„ 107
Chokkanadaburam	„ 81
Danavaypatti	„ 130
Deviyakurichi	„ 34
Eramasamudram	„ 134
Gopalapuram	„ 122
Ichampatti (2 parts)	„ 82
Iluppainattam	„ 17
Kadambur	„ 59
Kalarampatti	„ 124
Kalayanaghiri	„ 160
Kalleripatti	„ 157
Kamakkapalayam	„ 30
Kavarappani	„ 23
Karadippatti	„ 161
Karapaganur	„ 69
Kottambadi	„ 72
Kattukkottai	„ 36
Keripatti	„ 87
Kistnapuram	„ 51
Kondayampalli	„ 57
Kudamalai	„ 53
Kumarapalayam	„ 159
Kumarasameyour	„ 165
Latchimanasamudram	„ 77
Malliyakari	„ 85
Mottudaiyampalayam	„ 155
Mettupalayam	„ 155
Mummudi	„ 33
Manarpalayam	„ 114
Mummalai	„ 54
Muttakawndanur	„ 143
Muttal	„ 37
Nagakurichi	„ 6
Nagalur	„ 29
Narakiner (2 parts)	„ 120
Nattar (Agraharam)	„ 18
Navalpatti	„ 11
Odayampatti (2 parts)	No. 67
„ „	„ 78
Odayattur	„ 45
Pagadappadi	„ 20
Palaniyapuram	„ 73
Pallipalayam	„ 4
Panamadal	„ 158
Periyakombai	„ 98
Pinnanur (2 parts)	„ 22
Periyakurichi	„ 101
Peddunaikanpalayam	„ 140
Periyeri	„ 10
Ponnarampatti	„ 113
Pubyankurichi	„ 15
Pungavadi	„ 60
Punavasal	„ 43
Puttirakkavundanpalayam	„ 142
Putturpalapatti	„ 99
Rajapalayam	„ 146
Rungappanayakkampalayam	„ 123
Sandarpatti	„ 56
Saravay, &c.	„ 40
Sattambadi	„ 44
Seradimalai (2 parts)	„ 94
„ „	„ 95
Siliyampadi	„ 83
Singapuram	„ 149
Sinnakistnapuram	„ 153
Sirkarvalapadi	„ 152
Sitteri	„ 12
Sokkanur	„ 27
Somampatti	„ 117
Tamayanur	„ 147
Tengumarai	„ 42
Tenpillaiyour	„ 126
Timmanaikampatti	„ 119
Tirumalaisamudram (2 parts)	„ 133
Tittacheri	„ 25
Tukkayampalayam	„ 163
Ulipuram	„ 89
Unattur	„ 1
Uunatongal	„ 103
Valaikomhai	„ 92
Valasaikallipatti	„ 49
Valayamadevu	„ 62
Vedakuttampatti	„ 148
Velaripalayam	„ 116
Vettakaranur	„ 167
Viraganur	„ 26
Virakavundauur	„ 138
Yettramasamudram	„ 134

* The District Map and the Taluk Maps have not been received.

2. *Villages in Darampuri Taluk.*

Village		No.
Adalatimmanhalli	No.	480
Adanur	„	453
Agasarahalli	„	457
Agraharam	„	471
Ajjahalli	„	50
Alamardahalli	„	256
Ambekambinahalli	„	243
Anumandapuram or Ettiyampatti	„	462
Angandahalli	„	417
Aneikkallanur	„	245
Avaliyennumpudur	„	468
Akkammanhalli	„	182
Appasamudram	„	96
Aralimarudanhalli	„	234
Arakasinhalli	„	47
Attisinnanhalli or Kullanur	„	219
Attukaranpatti	„	5
Attukaranhalli	„	200
Anaipuram	„	472
Baisahalli	„	312
Bandarahalli	„	32
Bangittimmanhalli	„	394
Basuvalanattam	„	478
Belarahalli	„	433
Belahalli	„	448
Bengahalli	„	258
Bettanahalli	„	409
Bochanhalli	„	473
Bodireddihalli	„	116
Bodiganhalli	„	99
Bommanhalli	„	373
Bommasamudram	„	148
Chikkanjehalli	„	451
Chittarahalli	„	434
Dadinayakkanhalli	„	79
Dalavayhalli Belarhalli	„	426
Dalavoihalli	„	155
Dandukaranhalli	„	450
Dasakavundhalli	„	190
Dendukaranhalli	„	83
Dinnebelur	„	497
Doddamallahalli	„	179
Doddardanahalli	„	416
Dokkubodanhalli	„	69
Echanahalli	„	223
Echanhalli	„	383
Ellichikuttahalli	„	379
Endaialli	„	418
Enumulanayakkanhalli	„	360
Erakamanhalli	„	490
Erakuttaialli	„	292
Eranhalli	„	127
Erranhalli	„	437
Erumanhalli	„	432
Esakkarahalli	„	303
Ettimarudahalli	No.	134
Gengusettihalli	„	342
Gollahalli	„	128
„	„	137
„	„	288
Gopalahalli	„	107
Gunnanur	„	142
Guruchinnanhalli or Mulagalappatti	„	8
Gurusinnanhalli	„	59
Ichapadi or Oddannur	„	492
Ichalhalli	„	92
Indamangalam	„	344
Indangurichi	„	402
Indur	„	150
Itchalahalli	„	54
Ittikkahalli	„	443
Jagganahalli	„	477
Jaruguchinnanahaili	„	474
Jarugu	„	51
Jellikaduranhalli	„	464
Jengamanhalli	„	242
Jettalakaranhalli	„	263
Jettihalli	„	121
Jezzalanayakkanhalli	„	363
Kadamade	„	438
Kadirnayakkanhalli	„	316
Kaiadatimmanahalli	„	84
Kalappanhalli	„	351
Kallipuram or Parateru	„	461
Kalluhalli	„	355
Kamalapuram	„	285
Kanikarahalli or Sekkarappatti	„	160
Kanakallur	„	488
Kanavaiosahalli	„	185
Kanikkarahalli	„	124
Kannampalli	„	48
Karattahalli	„	445
Karippanaikkanhalli	„	56
Kariyanhalli	„	232
Karudarahalli	„	446
Karadihalli	„	378
Karuttamaranhalli	„	395
Kasipareddihalli	„	74
Kattukkavalatti	„	274
Kenibagayattu	„	400
Keraikodihalli	„	283
„	„	368
Kerehalli	„	495
Kettakkaraiyanhalli	„	87
Kettuhalli	„	77
Ketunayakkanhalli	„	306
Kittanahalli	„	386
Kittayeranhalli or Koppalur	„	41
Kittikarahalli or Iralappatti	„	305

3. *Villages in Kristnagiri Taluk.*

Adalam	No.	156
Adilam	„	1
Agasipalli	„	273
Agraharam Davalatabad	„	118
Agraharam Vennampalli	„	227
Agraharam Malaiyandahalli	„	280
Alerahalli	„	146
Aluvalpalli	„	197
Amanakkampatti	„	60
Amanitalavu	„	207
Amidalapalli	„	239
Ampalli	„	172
Andarippatti	„	127
Angampatti	„	104
Anginayanipalli	„	325
Anukodi	„	153
Arasakavundanpalaiyam	„	305
Arasampatti	„	32
Arimanupalli	„	203
Avadanapalli	„	279
Avalappampatti	„	81
Ayilampatti	„	73
Badetalavu	„	263
Baletottam	„	106
Bandrahalli	„	15
Bandarahalli	„	62
Bannihalli	„	315
Batrahalli Mattur	„	119
Battapalli	„	176
Belakondapuram	„	121
Belavaratti	„	230
Bettepalli	„	267
Bodapuram	„	309
Boganapalli	„	264
Bommasamudram	„	311
Bommepalli	„	168
Damodarahalli	„	22
Dasarihalli	„	298
Davarahalli	„	28
Dindal	„	12
Doddakaradiyur	„	56
Domalahalli	„	322
Eladaghiri	„	222
Emakalnattam	„	196
Errahalli	„	307
Ettampatti	„	74
Gajjiganur	„	87
Gangavaram	„	89
Ganginayakampatti	„	103
Gazulahalli	„	312
Gendikanpatti	„	102
Giddampalli	„	158
Girinadampatti	„	113
Giriyampatti	„	3
Goddaleri	„	204
Gollahalli	„	14
Gollapalli Adalam	„	157
Gollapalli Goddaleri	No.	195
Gollapalli Kalluguragi	„	246
Gollapalli Kanakamuttala	„	259
Jambukuttaipatti	„	59
Janaparahalli	„	310
Janardnapuram	„	216
Japaratti	„	299
Jidikuppam	„	170
Jikallarapalli	„	180
Jikalrahalli	„	304
Jinkalakadirampatti	„	38
Jogipatti	„	126
Kadapasandampatti	„	94
Kadarikuppam	„	223
Kadaripuram	„	302
Kadiganpalli	„	269
Kallattipalli	„	166
Kallipatti	„	29
Kalluguragi	„	255
Kalvehalli Maruderi	„	47
Kalvehalli Jagadab	„	288
Kammampalli	„	225
Kambukalahalli	„	51
Kanampalli	„	278
Kandikuppam	„	200
Kandopanahalli	„	313
Kannandahalli	„	144
Kappinayakampatti	„	163
Kappalavadi	„	182
Karakatahalli	„	7
Karakuppam	„	202
Karadiguragi	„	250
Karuppakavundanpalaiyam	„	306
Karupperi	„	132
Kattagaram	„	88
Kattakarampatti	„	61
Katteri	„	290
Kaveripattanam	„	294
Kembinayanipalli	„	206
Kittanapalli	„	274
Kollapatti	„	67
Konganaservu	„	178
Kotiguttalapalli	„	241
Kottakota	„	117
Kottampatti	„	140
Kottipalli	„	83
„	„	281
Kotulakutta	„	173
Kristnaghiri	„	262
Kristnasagaram	„	270
Kshirasagaram	„	271
Kudamandapatti	„	112
Kudarasendampatti	„	97
Kudimenahalli	„	27
Kullampatti	„	95
Kumbarahalli	„	145
Kumbaranganahalli	„	187

Kunatimmampatti	No. 37
Kundalappatti	„ 291
Kundepalli	„ 169
Kundiobanattam	„ 190
Kundupatti	„ 101
Kundur	„ 68
Kuragapalli	„ 160
Kurumbapatti	„ 297
Kuttahalli	„ 320
Kuttambatti	„ 20
Kuttur	„ 171
Lakkampatti	„ 138
Madalakuppam	„ 220
Madarahalli	„ 162
Madavapuram	„ 136
Madinayanipalli	„ 253
Mahadevagollahalli	„ 151
Maharajagadai	„ 240
Malaiyandahalli	„ 116
Malakatimmanahalli	„ 321
Mallalakuppam	„ 260
Mallapadi	„ 186
Mallikkallu	„ 54
Mallinayanipalli	„ 226
Mandipalli	„ 165
Manjamedu	„ 33
Marappanayakkampatti	„ 109
Marimanupalli	„ 184
Maruderi	„ 46
Mesanakuppam	„ 319
Matepalli	„ 198
Mavattur	„ 66
Medukampalli (3 parts)	„ 210
Mettuppatti	„ 55
Mindakuri	„ 148
Mittahalli	„ 296
Miyakalasinnampalli	„ 243
Modukulahalli	„ 110
Mollampatti	„ 23
Moranahalli	„ 301
Mukampatti Baletottam	„ 71
Mukampatti Kudamandapatti	„ 108
Mukampatti Sandampatti	„ 150
Mullanur	„ 6
Murugampatti	„ 4
Muttupapampatti	„ 39
Nadumuttur	„ 283
Naduppattu	„ 167
Nagasamudram	„ 5
Nagojanahalli	„ 50
Nallakundalapalli	„ 237
Nallappanayakkampatti	„ 122
Naralapalli	„ 236
Naralasandampatti	„ 149
Nattakayam	„ 130
Paiyur	„ 308
Panakamuttalu	„ 318
Papparappatti	„ 16
Parur	„ 42
Pattakarahalli	No. 25
Peddamadarapalli	„ 215
Peddamelupalli	„ 257
Peddanapalli Kottapalli	„ 244
Peddapapampatti	„ 99
Periyamuttur	„ 282
Perumalukuppam	„ 161
Pilliovanapalli	„ 189
Pochampalli	„ 76
Pokampatti	„ 107
Potinayanipalli	„ 254
Pujaripalli	„ 249
Puligunda	„ 154
Pulimadalapalli	„ 217
Puliyampatti (Puliyampatti)	„ 17
Puliyampatti Tippanur	„ 78
Puliyandapatti	„ 114
Pumalatampatti	„ 324
Pungampatti	„ 44
Puram Goddaleri	„ 205
Puram Varattanahalli	„ 218
Ramanattam	„ 323
Raminayanipalli	„ 256
Rangampatti	„ 129
Rangasamudram	„ 183
Renukuttahalli	„ 111
Sadinayakkampatti	„ 24
Sakkilinattam	„ 181
Salinayanipalli	„ 194
Samandapatti	„ 19
Sandampatti	„ 96
Sandampatti Kudamandapatti	„ 123
Sandanur	„ 21
Sandapuram	„ 293
Sandur	„ 91
Sanippatti	„ 135
Sangampatti	„ 65
Sappanippatti	„ 2
Sattarampalli	„ 199
Sekinayanipalli	„ 174
Sellakuttaipatti	„ 43
Sendrayanahalli	„ 85
Sennampatti	„ 8
Settamarampatti	„ 286
Sevvampatti	„ 164
Sikalapalaiyam	„ 231
Sikkatimmanahalli	„ 9
Sinnakaradiyur	„ 58
Sinnamelupalli	„ 258
Sinnampalli	„ 247
Sinnamuttur	„ 289
Sinnapapampatti	„ 100
Sinnatimminayanipalli	„ 228
Sinnattippalam	„ 137
Sinnamattur	„ 139
Sintakumpalli Goddaleri	„ 208
Sintakumpalli Maharajagadai	„ 238
Sonarahalli	„ 120
Sukarandahalli	„ 303

Sundekuppam	No. 285
Sunnampalli	„ 125
Tadampatti	„ 64
Takkepalli	„ 251
Taliyur	„ 317
Tandekuppam	„ 265
Tapasimaranahalli	„ 300
Tattaikkallu	„ 84
Tellabanda	„ 179
Tellanahalli	„ 11
Teruhalli	„ 292
Tesupalli	„ 229
Timmapuram	„ 287
Timminayakkampatti	„ 80
Timminayanipalli	„ 188
Tinnalur	„ 36
Tippampatti (Baletottam)	„ 72
Tippampatti Nattakayam	„ 128
Tippanur Sandapuram	„ 295

Tippanur (Tippanur)	No. 79
Tirunadampatti	„ 31
Toppadikuppam	„ 82
Tukkojanahalli	„ 13
Uchanahalli	„ 10
Uliganattam	„ 221
Vadamalaipatti	„ 77
Valavalappatti	„ 18
Valippatti	„ 133
Varattanahalli	„ 316
Varattanapalli	„ 219
Velampatti	„ 86
Velavalli	„ 131
Venkatapuram	„ 185
Vennampalli	„ 224
Veppalampatti	„ 93
Virappampatti	„ 63
Vottapatti	„ 115

4. *Villages in Namakkal Taluk.*

Agraharavurkarai	No. 23
Agraharavuduppam	„ 98
Anjelam	„ 30
Arasanattam	„ 38
Ariyur	„ 46
Bommanapalayam	„ 68
Dattadripuram	„ 95
Devanur	„ 21
Devarayasamuttiram	„ 61
Kadiranellur	„ 102
Kalangani	„ 99
Kallattukombai	„ 5
Kannurpatti	„ 101
Karadipatti (2 parts)	„ 94
Karukudi	„ 13
Kolaram	„ 86
Koppanapalayam	„ 63
Kottamangalam	„ 71
Kumarapalayam	„ 49
Kurumbamahadevi	„ 72
Mahadevi	„ 25
Manikkanattam	„ 78
Maniamangalappatti (2 parts)	„ 44
Maniyanur	„ 85
Melsattamkur	„ 81
Mogavanur	„ 42
Morupatti	„ 12
Murtinayakkampatti	„ 35
Nallamattikombai	„ 6
Nallur	„ 84
Nanjaivudaiyar	„ 51
Nungalikondalam	„ 67
Paittamparai	„ 19
Pandamangalam	„ 65
Parali	„ 37
Paramatti and Kattupalayam	„ 55
Pasarikombai	„ 4

Pettaipalayam	No. 45
Pillaiyarpalayam	„ 11
Pillaturai	„ 16
Piramadanpalayam	„ 47
Pongalayikombai	„ 8
Pottanur	„ 62
Poyyeri	„ 52
Pulancheri	„ 31
Puliyamsolaikombai	„ 7
Punjaikondalam	„ 69
Punjaiyedaiyarmelmugam	„ 50
Punjaivudaiyarkilmugam	„ 57
Ramadevam	„ 88
Rudrakshakombai	„ 9
Saniyapatti	„ 54
Sarkarvurkarai	„ 24
„	„ 89
Sarkarkuttukadu	„ 60
Sekkadinattam	„ 29
Sembamadai	„ 26
Sengampattikombai (2 parts)	„ 2
„ „	„ 3
Serunattikovil	„ 73
Sindalamkombai	„ 10
Suklampattikombai	„ 1
Talakarai	„ 87
Tanattampatti	„ 96
„ (2 parts)	„ 92
Tataiyangarpettai	„ 22
Vadamalaipatti	„ 15
Valaiyeduppu	„ 18
Valasiramani	„ 28
Vellalapatti	„ 77
Vellayapatti	„ 27
„	„ 34
Velur	„ 58
Vengarai	„ 66

Viranapalayam	No.	75
Voravandur	,,	39
Vuradaiyapatti	,,	14
Yedumbankulam	,,	53
Yelayapuram	,,	91
Yerappumogavanur (2 parts)	No.	43
Yirukur	,,	74
Zaptipandamangalam	,,	64
Zaptisirukalai	,,	90

5. *Villages in Oosur Taluk.*

Abari	No.	80
Adesundalli	,,	148
Agaram	,,	46
Agaram (Agraharam)	,,	27
Agraram	,,	135
Akondapalli	,,	65
Alur	,,	78
Alahalli Irudukottai	,,	304
Alasanattam	,,	92
Alesippam	,,	18
Alegasenayakanhalli	,,	393
Alialam	,,	39
Alikarai	,,	422
Anasunai	,,	170
Anayanattam	,,	258
Andevanaalli	,,	306
Aniyalam	,,	327
Anjalaghiri	,,	158
Anjattidurgam	,,	167
Anthivadi	,,	120
Anumandapuram	,,	75
Anumankallu	,,	425
Anumepalli (Agaram)	,,	142
Arasakuppam	,,	254
Arasanatti	,,	127
Arattakur	,,	298
Archalli	,,	336
Arevonnuhalli	,,	453
Aruhalli (1st part)	,,	439
,, (2nd ,,)	,,	407
,, (3rd ,,)	,,	423
Aruhallitalavu	,,	199
Attalavadi	,,	405
Attikottai	,,	229
Avalampalli	,,	89
Avelapalli	,,	9
Averahalli	,,	427
Ayiranapalli	,,	19
Bagutharapalli	,,	74
Bagur	,,	136
Bairamangalam	,,	161
Bandapuram	,,	147
Bandesavuram	,,	259
Basthi	,,	91
Bekepalli	,,	143
Belur	,,	289
Bevanattam	,,	205
Beyadarapalli	,,	139
Bimasandiram	,,	409
Biranayakavalli	,,	276
Birjapalli	,,	157
Biyaraganhalli	No.	275
Biyarandapalli	,,	87
Bodichahalli	,,	164
Bodikuttapalli	,,	152
Bommandupalli	,,	121
Bottiyangamanalli	,,	300
Budikotte	,,	230
Chennayan (Agraharam)	,,	106
Chikkapilimuttirai	,,	353
Chikkabeluru	,,	251
Chikkamenagaram	,,	112
Chikkavuppanur	,,	399
Chikkapilimuttirai	,,	315
Chikkatimmandalli	,,	182
Chinnabenangur	,,	256
Chinnaupparakanapalli	,,	16
Chittanur	,,	153
Chudasandiram	,,	433
Darabandiram	,,	361
Dasanpalli	,,	118
Davasthanamkottarur	,,	243
Devarulimangalam	,,	333
Doddagiri	,,	90
Doddamanagaram	,,	113
Doramuttukondapalli	,,	290
Elaisandiram	,,	395
Ennikarai	,,	264
Ganganahalli	,,	462
Gavurasandiram	,,	242
Gollahalli Javalikarai	,,	416
Gollahalli Attarani	,,	314
Gollapalli	,,	252
Gongasettihalli	,,	307
Gopanahalli	,,	266
Gopasandiram	,,	32
Gundukummanur	,,	154
Guruparahalli	,,	400
Gurusana (Agraharam)	,,	406
Jakkanhalli	,,	196
Jambupalli	,,	130
Jangalkundu Onnapalli	,,	295
Jayadevapuram	,,	392
Jigur	,,	117
Kadirapalli	,,	50
,,	,,	77
Kaduidi	,,	1
Kakkatasam (Agraharam)	,,	329
Kalikapasanthiram	,,	245
Kallabanda Tummanaalli	,,	8
Kallualli	,,	379
Kampatti	,,	375

Kanavanalli	No. 377
Kanalcheruvu	„ 137
Kandaganhalli	„ 337
Kannasandiram	„ 25
Kappiganhatti	„ 181
Karadikutti	„ 21
Karapalli	„ 71
Karavanapalli	„ 83
Karandahalli	„ 318
Kariyakalatti	„ 14
Karkondapalli	„ 63
Kasiagraram	„ 288
Kasuvakatta	„ 73
Kattakondapalli	„ 122
Kattiyalam	„ 173
Kallukurampalli	„ 20
Kavudanpalli	„ 48
Kelamangalam	„ 180
Kemmattihalli	„ 419
Kempathapalli	„ 356
Kenasur	„ 43
Kendakenahalli	„ 324
Kethunayakkanalli	„ 51
Kistnapuram	„ 35
Kumbatti	„ 369
Kodikarahalli	„ 436
Komaranpalli	„ 114
Komichanhalli	„ 166
Kommepalli	„ 58
Konasandiram	„ 175
Kondayanagraharam	„ 403
Kopasandiram	„ 192
Koranur	„ 374
Korattaghiri	„ 285
Kottahatti	„ 202
Kottibarandur	„ 273
Kottur	„ 325
Kubisandiram	„ 265
Kudumaganaalli	„ 23
Kullasamanahalli	„ 10
Kummalu	„ 451
Kummala (Agraharam)	„ 452
Kummalapuram	„ 463
Kundalanayakanhalli	„ 339
Kunikkal	„ 364
Kuttur	„ 263
Lakkanaalli	„ 159
Lalikkal	„ 24
Lingakattiranapalli	„ 246
Magadi	„ 239
Makalachinnampalli	„ 2
Malasoni (1st part)	„ 321
„ (2nd „)	„ 323
Mallasamuthiram	„ 424
Mallikuttai	„ 420
Mallinayakampalli	„ 42
Maniyambadi	„ 225
Marikkallu	„ 435
Marikavundanalli	„ 249
Marrinayakkanalli	No. 330
Marutanapalli	„ 294
Masinaikkamalli	„ 271
Matta (Agraram)	„ 124
Mattaghiri	„ 101
Mekalachinnampalli	„ 320
Melaparnatavadi	„ 414
Melemattukottai	„ 335
Menakarapalli	„ 100
Menakarapalli (Agraharam)	„ 146
Morasur (1st part)	„ 150
„ (2nd „)	„ 145
Mottakaram	„ 396
Mugalur	„ 269
Mugasibarandur	„ 272
Mukondapalli (1st part)	„ 125
„ (2nd „)	„ 126
Mullunahalli	„ 317
Musivanhatti	„ 469
Muttur	„ 381
Nagamangalam	„ 11
Naganayakkanaalli	„ 151
Nagappa (Agraharam)	„ 261
Nagasandiram	„ 368
Nagathuti	„ 3
Nagenhalli	„ 204
Nakondapalli	„ 105
Nalakurugi	„ 40
Nalikchedda	„ 95
Nalikchedda (Agraharam)	„ 96
Nallappakavundanpalayam	„ 15
Nandimangalam	„ 85
Navuthi	„ 99
Nayaganapalli	„ 45
Nirlatti	„ 355
Niyanappanatti	„ 235
Ondikondapalli	„ 17
Ovepalayam	„ 56
Onnaluadi (2 parts)	„ 64
„	„ 60
Onnatti	„ 380
Onnupalli	„ 270
Onnupalli (Agraharam)	„ 287
Oossoor	„ 128
Osahalli Pachapanhutti	„ 197
Osahatti Saragahalli	„ 278
Osakistnapuram	„ 378
Osakotti	„ 59
Osapuram	„ 262
Osatti	„ 297
„	„ 376
Osahalli Pennikkal	„ 163
Pachapanhatti	„ 201
Pairakundahalli	„ 370
Palayabogaranaballi	„ 54
Pallakarai	„ 282
Panaalli Panahalli	„ 331
Panapalli	„ 82
Panjatasarapuram	„ 284

6. *Villages in Salem Taluk.*

Achchankuttapatti	No.	161
Adimalaippatti	„	133
Aeyodiyapattnam	„	145
Agraharanattarmangalam	„	169
Agraharapulaveri	„	105
Aiyyamperumampatti or Palayur	„	223
Akkarapalayam	„	101
Akkarapatti	„	50
Alampatti	„	59
Alavappatti	„	56
Amarakundi*	„	314
Amaram*	„	268
Ammapalayam	„	120
Anaikattipalayam	„	34
Anaikavundanpatti	„	227
Anaikkuttippatti	„	90
Andagalur	„	35
Anantakistnarayasamudram	„	40
Anantakavundanpalayam	„	71
Anaippalayam	„	37
Anuppur	„	182
Aramannur	„	160
Aranganur, Pullanur*	„	279
Ariyakkavundanpatti	„	195
Ariyakkavundanpalayam	„	13
Ariyakkavundanpatti	„	210
Ariyampalayam	„	102
Ariyampatti*	„	318
Arurpatti, or Kanakkampatti*	„	316
Attanur	„	32
Attavanaipalaveri†	„	106
Adaiyampatti	„	78
Aipalayam	„	31
Ayappalayam	„	46
Banapuram*	„	281
Birozi	„	98
Bodinayakampatti	„	207
Dalavappatti	„	212
Dasasamuddiram*	„	254
Dasinaikanpatti	„	153
Edayappatti*	„	329
Elampillai	„	95
Elattur*	„	258
Elavampatti*	„	322
Ellappalayam	„	47
Enadi (3 parts)*	„	278
Eramanaikkampalayam	„	68
Eravadi, Pettampatti	„	117
Errasinnapatti	„	115
Ettimanikkampatti	„	84
Gundukkal*	„	265
Ichampatti	„	4
Irusanampatti or Sannangiri	„	81
Jagganaykampatti	„	39
Jegadevanpatti	No.	237
Kadampatti (2 parts)*	„	312
Kalkurichi	„	2
Kalipatti	„	275
Kalippatti*	„	301
Kallankulam	„	29
Kalparappatti	„	91
Kamalapuram	„	246
Kaminayakampatti	„	236
Kamalappatti	„	136
Kanjinayakkampatti or Mettur*	„	248
Kankatti, Alia	„	191
Karichchippatti	„	197
Karikkapatti	„	320
Karippatti	„	171
Karuppanampatti*	„	302
Karuppur (3 parts)	„	231
Kasavareddipatti or Karukkampatti*	„	315
Kasuba, Omalur*	„	306
Kattaleriyampatti*	„	300
Kattirippatti	„	158
Kattuvepalappatti or Seshansavadi	„	177
Kavarukkalpatti	„	173
Kejjalanayakkampatti or Virasamissattiram Pudur	„	113
Kerppatti	„	190
Kidandampatti	„	43
Kirapappampatti Japthi	„	219
Kogaippatti (2 parts)*	„	327
Kolanaikanpatti* (1860)‡	„	289
Kollappatti	„	232
„	„	196
„	„	164
Kollattukkombai	„	184
Komarapalayam	„	64
„	„	140
Kombadappatti	„	92
Konakollampatti (2 parts)	„	244
Konamadugu	„	129
Kondalampatti	„	109
Koneripatti	„	26
Kongupatti or Vaduguteruvu	„	267
Koppampatti	„	45
Koppam*	„	283
Kottanur	„	204
Kottakkavundanpatti	„	228
Kottumettuppatti or Omalur*	„	304
Kudattupatti	„	167
Kuguttappatti*	„	252
Kulvelampatti	„	36
Kunnamnayagampatti or Muttuppatti*	„	305

* These villages, according to the maps, are in Omalur Division.
† This village, according to the map, is in Rasipur Division.
‡ *See also* Kollanayagampatti (Omalur Div.). (1861.) No. 289.

Kappanur	No. 162
Kuralnattam	,, 128
Kurichapatti	,, 186
Kurukkampatti or Sinnakurukkampatti*	,, 325
Kuttaladampatti	,, 61
Kunnanampatti	,, 198
Kuttappatti*	,, 284
Laguvampatti	,, 194
Madiyampatti	,, 54
Malayalapatti	,, 142
Mallamuppampatti	,, 211
Mallaravuddanpatti	,, 215
Malliyakkuttappatti or Nasireddiyur*	,, 296
Malliyakkutti*	,, 295
Malliyampatti	,, 21
Malliyampalayam	,, 62
Mallur	,, 65
Manallakkavundampatti Mazra Koppappatti*	,, 282
Manguppai	,, 224
Manattal (2 parts)*	,, 297
Mannaikkanpatti	,, 179
Maralayampalayam	,, 77
Maramangalampatti	,, 220
Maramangalam (3 parts)*	,, 298
Matuvelampatti	,, 58
Mechcheri (2 parts)*	,, 276
Mettuppatti Kulippatti	,, 175
Mettupatti Tadannur	,, 148
Minnampalli	,, 147
Muduturai	,, 218
Mukkannur*	,, 256
Mukkuttipalayam	,, 119
Mullakallur	,, 74
Mulppallipatti	,, 17
Mungilppadi	,, 233
Muniyappampalayam or Kuchchikkadu	,, 19
Murungappatti	,, 199
,,	,, 38
Muttanapalayam	,, 76
Muttampatti	,, 178
Muttukalipatti	,, 33
Nabilattukombai	,, 131
Nachippatti	,, 73
Nachchanampatti*	,, 259
Naduppatti	,, 52
,, *	,, 260
Nallampatti	,, 216
Namaghirippettai	,, 15
Nangappalli	,, 285
Nanikkalpatti	,, 112
Naranampalayam	,, 242
Narasozippatti	,, 208
Nayagampatti (2 parts)	,, 201
Nayanampatti	No. 80
Neikkarapatti	,, 107
Nelvarapatti	,, 111
Nirmullikuttai	,, 181
Pachal	,, 41
Pachudaiyampalayam	,, 12
Pachchanampatti*	,, 307
Palabakki	,, 303
Palampatti	,, 99
Palapatti	,, 166
Palantinnippatti	,, 57
Pallavanaikampatti	,, 63
Pallippatti*	,, 271
Pallipatti	,, 1
Pallippatti	,, 154
Pallittervupatti	,, 123
Panamarattuppatti	,, 124
Panikkanur*	,, 321
Pannappatti*	,, 253
Papambadi*	,, 330
Papparapatti	,, 75
Paranattamangalam	,, 108
Parappatti	,, 114
Pasuvanattampatti	,, 118
Pattanam	,, 24
Pattanammuniayappanpalayam	,, 23
Pedaripatti	,, 44
Peddampatti	,, 200
Periyagavundapuram	,, 144
Periyaguttimadugu	,, 193
Periyasiragappady	,, 85
Periyeripatti	,, 310
Periyasoragai or Kosappatti*	,, 293
Perumapatti	,, 203
Perumakavundanpatti	,, 97
Perumakavandanpalayam	,, 7
Perumapalayam	,, 152
Pettampatti†	,, 82
Pillanallur	,, 48
Ponkurichi	,, 49
Ponparappipatti	,, 70
Ponnarkudal (5 parts)*	,, 261
Porasalapatti	,, 53
Pottaneri Nallakkavundampatti*	,, 288
Pottipuram	,, 245
Pudur	,, 139
,,	,, 22
,,	,, 159
,, *	,, 287
Pudduppalayam	,, 28
Pudupatti	,, 18
Pujarippatti*	,, 255
Pukkampatti*	,, 277
Puliyampatti	,, 229
Pulutikkuttai	,, 187
Pumandappatti	,, 217
Pungamaduvu	,, 188

* These villages, according to the maps, are in Omalur Division.
† This village, according to the map, is in Rasipuram Division.

Rajapalayam	No. 83
Ramanaikanpatti	,, 42
Ramapuram	,, 96
Ramireddippatti*	,, 323
Reddipatti	,, 94
Sakkarappatti*	,, 164
Samakuttapatti	,, 132
Sandumalai	,, 189
Sangidapatti	,, 230
Sarkarkollapatti	,, 221
Sarkkarnattermangalam	,, 168
Sattappadi*	,, 280
Savudapuram	,, 51
Sedarpalayam	,, 9
,,	,, 8
Sekkarapatti	,, 240
Sekkarasettippatti	,, 243
Selattampatti	,, 206
Selavadi*	,, 317
Sellippalayam	,, 87
Semmandapatti	,, 55
Sondinapillaivarasai	,, 180
Sendiyur Adaiyampatti	,, 122
Sendipur	,, 121
Sendrayampalayam	,, 174
Settippatti*	,, 311
Sevappalayam	,, 93
Sikkampatti	,, 326
Sikkanampatti*	,, 250
Sinnagavundapuram	,, 146
Sinnamanayakampalayam	,, 185
Sinnasorigai	,, 294
Sittaneri	,, 104
Sukkumpatti	,, 156
Suramangalam	,, 209
Surappalli*	,, 291
Suriyur	,, 126
Tadanur	,, 157
Tadaiyyampatti*	,, 247
Tailanur (2 parts)	,, 149
Tanakuttipalayam	,, 79
Taramangalam (2 parts) part 2*	,, 324
Tasagappatti*	,, 292
Tattaiyangarpatti	,, 235
Tedagirippatti*	No. 269
Tekkampatti	,, 234
Tengalpalayam	,, 30
Tindamangalam*	,, 308
Tippampatti	,, 127
Tirumalagiri	,, 214
Tivattippatti*	,, 257
Tolasampatti*	,, 299
Toppampatti	,, 6
Toppampatti Pachudaiyampalayam	,, 11
Tottiyampatti	,, 25
Tumbadulippatti or Puduppalayam	,, 202
Tumbippadi (2 parts)*	,, 251
Tummalpatti	,, 134
Tundumaniyam (2 parts)*	,, 309
Vadamuttampatti (2 parts)	,, 213
Vadugam	,, 20
Valakuttampatti	,, 67
Valasaiyur	,, 155
Valayakaranur	,, 150
Valayapatti	,, 3
Vanavasi*	,, 290
Vaniyampadi	,, 116
Vadakuttampatti	,, 205
Vedampatti*	,, 130
Vedappatti	,, 151
Vedumpatti	,, 313
Velampatti	,, 183
Vellacalpatti	,, 225
Vellalakundam	,, 172
Vellalappatti	,, 238
Vellar (2 parts)*	,, 266
Vellayampatti	,, 136
Vennandur	,, 72
Vembaditalam	,, 99
Vengampatti	,, 66
Veppalappatti	,, 138
Veppale (2 parts)*	,, 263
Virakkal*	,, 286
Virapandi	,, 100
Yerripputtur	,, 165
Yettikkuttipatti	,, 239

7. *Villages in Tiruchangad† Taluk.*

Adiyur	No. 4
Agaram	,, 100
Agraharataleiyur	,, 67
Agraranattamangalam	,, 113
Alattur	,, 40
Anangur (2 parts)	,, 34
Andipalayam	,, 60
Annadanapatti	,, 53
Arasiramani (2 parts)	,, 16
,, ,,	,, 19
Attavanaitalaiyur	No. 66
Avadattur	,, 2
Avanasippatti	,, 97
Avaniperur	,, 7
Devanangurichi	,, 57
Devur	,, 20
Elur	,, 107
Gidikaval	,, 50
Gudalur	,, 83
Idangansalai	,, 77

* These villages, according to the maps, are in Omalur Division.
† Formerly Sankerridrug Taluk; also Teruchangode.

Idappadi	No.	45
Ilupili	„	102
Iranapuram	„	81
Irupalli	„	3
Kachippalli	„	69
Kadachanur	„	32
Kanagagiri	„	82
Kandarkulamanikkam	„	85
Kannanderi (2 parts)	„	48
„ „	„	68
Karakurichi	„	109
Karumapuram	„	63
Karungalpatti	„	93
Karuveppampatti	„	56
Kattari	„	23
Kaveripatti (3 parts)	„	14
„ „	„	14½
„ „	„	17
Kilappalaiyam	„	101
Kiliyanur (2 parts)	„	26
Konasamudram	„	74
Koneripatti (3 parts)	„	12
„ „	„	15
„ „	„	18
Konnaiyar (2 parts)	„	99
Kottapalayam	„	92
Kumarapalayam	„	24
„	„	115
Kurakkapuram	„	116
Kuttampundi	„	104
Lakkapuram	„	112
Leddivadi	„	106
Mallasamudram	„	91
Manjakkalpatti	„	43
Mangalam	„	84
Mamundi	„	90
Modamangalam (2 parts)	„	35
„ „	„	36
Morur	„	54
Mudalkalvai (2 parts)	„	10
„ „	„	13
Naduvaneri	„	72
Navani	„	108
Nedungulam	„	11
Padavid	„	37
Pallippalaiyam (5 parts)	„	27
„ „	„	28
„ „	„	29
Pallippalaiyam (5 parts)	No.	30
„ „	„	33
Pallakkappalaiyam	„	39
Paruttippalli	„	94
Pellakkuli	„	65
Pillakavundanpatti (2 parts)	„	21
„ „	„	22
Pillakavundanpatti	„	103
Podangam	„	111
Puduppalaiyam	„	73
Pudur	„	80
Pulampatti	„	9
Punjaipuduppalayam (2 parts)	„	105
Rajapalayam (2 parts)	„	55
„ „	„	62
Rasnapuram	„	95
Samaiyasangili (2 parts)	„	25
„ „	„	31
Samudram	„	72
Sappaiyapuram	„	87
Sarkkarnattamangalam	„	114
Savudapuram	„	38
Sembagamahadevi	„	64
Settimankurichi	„	6
Sinnakavundanur (3 parts)	„	42
Sinnamanali	„	46
Sittur	„	5
Tadaiyangarpatti	„	110
Tattapuram	„	70
Teppakuttai	„	78
Tevankavundanur (2 parts)	„	44
Tiruchangad (Kusbah)	„	61
Vadugampatti	„	51
Vaikundam	„	49
Vandinattam	„	98
Varagurppatti	„	58
Vattu (4 parts)	„	96
Velanattam (3 parts)	„	86
„ „	„	88
„ „	„	89
Vellalapuram	„	75
Vellerippatti	„	8
Vembaneri	„	71
Veppampatti	„	52
Virachippaliyam	„	41
Yekkapuram	„	76
Yembapalli	„	59

8. *Villages in Tripatur Taluk.*

Adanakavunapalli	No.	115
Adiur	„	49
Agraharam (2 khandams)	„	108
Alangayam (2 khandams)	„	78
Ammanakovil	„	106
Ambalur	„	133
Anasagaram	„	104
Andalavadinatham	„	72
Andiyappanur	„	67
Anganathavalasei	No.	14
Arasanpalli	„	122
Arasangkanni	„	140
Arupandakuppam	„	137
Athurkuppam	„	131
Bolinaickanur	„	59
Bandarapalli	„	109
„	„	125
Bandirevu	„	1

Bommanabunda	No. 120
Bothanur	„ 62
Cheruvukindanapalli	„ 132
Chinnagirisamudram	„ 130
Chinnaavundanur	„ 11
Chinnappanaickanur	„ 117
Doddanachampatti	„ 126
Gengalapuram	„ 127
Iranampatti	„ 65
Jaghir Pallakutter (2 khandams)	„ 83
Jayatipuram (2 khandams)	„ 92
Jedayanur	„ 61
Jonnakavundanur	„ 66
Kadayampatti	„ 22
Kalandira	„ 88
Kalarampatti	„ 76
Kalarpadi	„ 12
Kallathur	„ 4
Kallur	„ 10
Kalleri	„ 28
Kanamandurpudukottei	„ 54
Kavulipettei	„ 48
Kavundappanur	„ 42
Kiliyur	„ 3
Kilkuppam	„ 32
Kittapiyanur	„ 96
Kollakuttei	„ 95
Kondakindanapalli	„ 118
Kottur	„ 85
„	„ 116
Kudimianur	„ 9
Kumarampatti	„ 39
Kunichi	„ 44
Kuppanatham	„ 6
Kurchilapettu	„ 58
Kurumberi	„ 11
Kutticheyurunattam	„ 68
Madakadappah (2 parts)	„ 138
Madapalli	„ 53
Madavalum	„ 56
Mallapalli	„ 103
Mambakam	„ 13
Mavadimanapalli	„ 112
Mangalapalli	„ 23
Manguppam	„ 31
Mattarpalli	„ 16
Marimanakuppam (2 khandams)	„ 71
Merkattianur	„ 15
Milarampatti	„ 121
Mottur	„ 38
„	„ 69
„	„ 107
Mullukumbei	„ 84
Muttanpalli	„ 110
Nagadevampatti	„ 129
Nagarajampatti	„ 18
Nagikkuttai	„ 30
Naickanur	„ 21
Narasingapuram (2 khandams)	„ 75
Narayanapuram	„ 63
Natchiyarkuppam	No. 70
Nattarampalli	„ 124
Navapupetti	„ 5
Nayanattur	„ 105
Nimmayampattu	„ 82
Nullakadiranpalli	„ 113
Odiamattur	„ 29
Padakuppam	„ 80
Pallappanatham	„ 73
Paneiyandapalli	„ 102
Panjarampatti	„ 46
Pannandakuppam	„ 128
Paramuttampatti	„ 52
Parandapalli	„ 90
Perambattu	„ 19
Perumampattu	„ 60
Piyappanayanpetti	„ 114
Pudur	„ 36
Pulackanavalasei	„ 8
Pungolam	„ 74
Puram	„ 93
Ragimanuchenu	„ 77
Ravuthampatti	„ 47
Reddivalasei	„ 141
Reddiyur	„ 86
Salarempatti	„ 40
Sandirapuram	„ 23
Senkarapuram	„ 135
Setteyeri	„ 100
Sevvathur	„ 41
Sinnakunichi	„ 43
Sinna Odiamputtur	„ 27
Sinna Perambattu	„ 20
Sinnarumpatti	„ 34
Simmanaputtur	„ 7
Sitteri	„ 17
Sunnampukuttei	„ 111
Sunnapavanka	„ 61
Tadakullanur	„ 37
Tamalerimuttur	„ 89
Thoranampudi	„ 35
Tippasamudram	„ 142
Tiruppattur (2 khandams)	„ 50
Torayari	„ 87
Urakavundanur	„ 2
Vadakkumuttampatti	„ 57
Vaniyambadi	„ 136
Veladigemnibunda	„ 139
Velakalanattam	„ 99
Venkatanayanapalli	„ 119
Vengalapuram	„ 51
Veppaleinatham	„ 97
Veppalumpatti	„ 25
Viramustipalli	„ 11
Virapalli	„ 101
Vishamangalam (2 parts)	„ 26
Yakalasapuram	„ 134
Yelavampatti	„ 45
Yetticuppam	„ 64

9. *Villages in Uttangheri Taluk.*

Achalavadi	No. 77
Achchampatti	" 20
Agraharam	" 132
Alamalupuram	" 9
Allalampatti	" 68
Ammiyampatti	" 237
Ambenaickampatti	" 328
Andipatti	" 278
"	" 117
"	" 71
Andiyur	" 379
Annamali Halli	" 44
Annamalipatti	" 67
Anumanthathirtham	" 210
Appayampatti	" 109
Arur	" 87
Aruvapadi	" 364
Attippadi	" 303
Athiviriampalli	" 342
Avalampatti	" 107
Balasamuthiram	" 55
Biyiranaththam	" 19
Bodinaikkampatti	" 112
Bomampatti	" 276
Bothakkadu	" 18
Botarajampatti	" 291
Buthinatham	" 184
Buthinatham	" 26
Chikkalur	" 387
Dadinaickampatti	" 260
Danarajapalayam	" 43
Elayampatti	" 154
Erulempatti	" 33
Ganapathipatti	" 147
Ganganur	" 339
Gengunaickampatti	" 335
Gidakaranur	" 314
Gollapatti	" 223
Gopisittipaliam	" 63
Gopalapurum	" 29
Gonguperampatti	" 327
Gomudapuram	" 383
Gudalur	" 176
Gundalamadavu	" 25
Ichampatti	" 158
Ilavamadi	" 302
Ilupukuttapatti	" 320
Ittiyampatti	" 180
Ittilampatti	" 152
Jamnanhalli	" 45
Jengalhalli	" 23
Jengalavadi	" 168
Kadavani	" 365
Kalagampatti	" 70
Kalladipatti	" 126
Kallukanur	" 330
Kaluthipatti	" 243
Kamalampatti	No. 178
Kanachi	" 346
Kangavembu	" 155
Kanjanur	" 263
Kanakavandampatti	" 175
Kanakampatti	" 268
Kanampatti	" 324
Karakampatti	" 208
Karapatti	" 368
Kariahperumavalasai	" 295
Karumandapadi	" 362
Karuttampatti	" 148
Kathananumpatti	" 69
Katharipuram	" 24
Kathirampatti	" 225
Kattavedichampatti	" 193
Kattanur	" 122
Katteri	" 211
Kattur	" 66
Kattusingiripatti	" 231
Kavoipatti	" 165
Kavundampatti	" 32
Kendayampatti	" 104
Kendikanur	" 301
Kerikapalli	" 254
Kethunaickampatti	" 296
Kettupatti	" 123
Kilapari	" 83
Kilkuppam	" 282
Kilmattur	" 378
Kilmurappur	" 134
Kiripatti	" 85
Kittampatti	" 235
"	" 316
Kodamandapatti	" 160
Kokkarapatti	" 37
Kollanur	" 319
Kolineganur	" 14
Kottapadi	" 358
Kottappatti	" 331
Kottarampatti	" 65
Kottukkarampatti	" 294
Komampatti	" 375
Kombur	" 1
Konampatti	" 167
"	" 172
Kondampatti	" 288
Konampatti	" 236
Koninaickampatti	" 246
Kosapatti	" 116
Kothanampatti	" 174
Kottalpethampatti	" 240
Kottarapatti	" 216
Kudimiyampatti	" 19
Kullampadi	" 360
Kullattpatti	" 5
Kumarampatti	" 151

Pethathsamuthiram	No. 48
Peththathumpatti (2 parts)	" 39
Peththur	" 61
Peyanur	" 374
Pommathasampatti	" 298
Ponneri	" 181
Poyapatti	" 187
Puchampatti	" 275
Pudur	" 82
"	" 290
"	" 381
Pudupatti	" 31
"	" 215
Pudurpungani	" 219
Pudar	" 250
Puliampatti	" 203
"	" 274
Puliahanur	" 310
Pullavedampadi	" 366
Puvampatti	" 271
Pungani	" 304
Purukalpalli	" 256
Ramayanhalli	" 49
Ranganvalasi	" 385
Rasalampatti	" 101
Reddipatti	" 111
"	" 286
Reddivalasi	" 343
Rendathampatti	" 325
Sakkalipatti	" 156
Samakavanivalasei	" 317
Samanatham	" 81
Santhapatti	" 57
Savadiyour	" 349
Sellampatti	" 163
Sellakaranpatti	" 333
Sengalpatti	" 234
Sennampatti	" 103
Sennappanaickanur	" 287
Senthirapuram	" 191
Senthirampatti	" 230
Settarapatti	" 94
Sikkampatti	" 62
Singarapetti	" 308
Singiripatti	" 222
Sinnakavundampatti	" 119
Sinnakuppam	" 42
Sinnakunathur	" 350
Sinnamanjavadi	" 2
Sinnapannimaduvu	" 189
Sinnathagarapatti	" 369
Sinnathalapadi	" 312
Sorakapatti	" 227
"	" 266
Soriampatti	" 143
Sulakarri	" 249
Suvacampatti	" 281
Sundangipatti	" 93
Surapatti	" 56
Tandiappanur	No. 321
Thagarapatti	" 370
Thambal	" 201
Thamaleripatti	" 136
Thamarakoliamp	" 140
Thandekuppam	" 91
Thannipanthal	" 283
Thasampatti	" 247
Thasarahalli	" 110
Thasarihalli	" 13
Thatampatti	" 179
Thathampatti	" 142
Thathamuru	" 52
Thathanur	" 213
Theddampatti	" 73
Thevarajapalayam	" 17
Thummankuttapatti	" 135
Thinnehalli	" 54
Thirthagirivalasi	" 307
Thirththamali	" 195
Tippampatti	" 220
"	" 285
Thoppampatti	" 114
Thuranampatti	" 141
Thurinjihalli	" 47
Thurinjaipatti	" 329
Upparapatti (1st part)	" 373
Upparapatti (2 parts)	" 393
Uthengherry (Kasba)	" 280
Vadagalur	" 371
Vadampatti	" 173
Vadugapatti	" 145
Valaduppu	" 169
Valampatti	" 224
Vanakkampadi	" 60
Varunathirththam	" 88
Vathiyanur	" 277
Vedakettamadum	" 200
Vedappatti	" 233
"	" 389
Vedarapatti	" 157
Velampatti	" 92
"	" 128
Vellalapatti	" 238
Vencatapuram	" 300
Vengidadasmpatti	" 279
Vengiyampatti	" 177
"	" 115
Venkatasamuthiram	" 15
Vennampatti	" 121
Veppalampatti	" 212
Veppampatti	" 182
Veppanatham	" 162
Veppasinnampatti	" 113
Vettarapatti	" 98
Viranakuppam	" 226
Viranur	" 21
Virappanaikkampatti	" 185
Yalenthakuttapatti	" 7

Yegur	No. 380	Yellappudayampatti	No. 84
Yelachur	„ 361	Yerumiyampatti	„ 36
Yelavadi	„ 124	Yettipatti	„ 120

II.—Estates in the Shevaroy Hills.

1. NAGALOOR, MR. MILLER'S COFFEE ESTATE. *Scale, 16 inches to 1 mile; size, 22 inches by 16.*

2. MR. RICHARDSON'S ESTATE. *Scale,* 3⅓ *chains to* 1 *inch; size,* 22 *inches by* 16.

16. SOUTH ARCOT DISTRICT.

Including eight Taluks.

Map of the TRACT of COUNTRY SOUTH of CUDDALORE. Reduced from the Surveys executed by the officers of the Military Institution between the years 1805 and 1814. Copied in the S. G. O. from the original reduction. Calcutta, 26th April 1846. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 25. MS.

Plan of the SOUTH ENVIRONS of CUDDALORE, with the Operations of the British Army under the command of Major-General James Stuart, in June 1783. Surveyed by J. Wickens, Sub-Engineer, drawn by M. Armstrong. *Size,* 34 *inches by* 23. Also a copy of later date. MS.

Madras Revenue Survey of South Arcot District.

I.—District Map.

Map of the SOUTH ARCOT DISTRICT, showing the new boundaries of Taluqs. Revenue Survey Office, Chepauk, 1868. *Scale,* 2 *miles to* 1 *inch; size,* 64 *inches by* 52.

II.—Taluk Maps.

Map of the CHIDAMBARAM (Chellumbrum) TALUK, South Arcot District, reduced from the Maps of the Revenue Survey executed in 1854, 1855, and 1856. Under the superintendence of Capt. Priestley, 74th Highlanders. *Scale,* 1 *mile to* 1 *inch; on* 6 *sheets; size,* 72 *inches by* 72.

III.—Hydrographic Map.

Hydrographic Map of the CHELLUMBRUM and MANARGOODY TALOOKS in the South Arcot District. Reduced from the Revenue Survey Map. 1859. Partly coloured to distinguish the three grades of Irrigation. *Scale,* 1 *mile to* 1 *inch; size,* 26 *inches by* 35.

The names of the villages are given in a list, referring to the Map by numbers.

IV.—Village Maps, arranged in Taluks.

1. *Villages in Chidambaram Taluk.*

Achapuram	No. 310	Adur	No. 121
Adagaraivattam	„ 292	Agaraputtur	„ 351
Adanur	„ 304	Agaranallur	„ 92
Adivaraganallur	„ 401	Agaram (2 parts)	„ 243
Adivaragaperumal Tottam (3 parts)	„ 402	„ „	„ 244
„ „	„ 405	Agara Rayanallur	„ 257
„ „	„ 408	„	„ 283
		Agarasolattiram	„ 369

Aipettai	No. 175
Aiyanur Akkaramangalam	„ 134
Alankattan	„ 202
Alinjimangalam	„ 237
Alliur	„ 272
Alkondanattam	„ 188
Alvandhankotagam	„ 224
Ambikapuram	„ 30
Ammattankuttigai	„ 222
Anjanganar	„ 242
Anundakudi	„ 422
Arirajaupram (2 parts)	„ 133
„ „	„ 176
Arumulidevan	„ 317
Aruntanghi	„ 349
Attimuttu	„ 89
Attipattu	„ 98
Attur	„ 421
Ayenkudi	„ 321
Chettikattalai	„ 189
Chidambaranadhanpettai	„ 21
Chidambaranadhapuram	„ 42
Chidambara Arasur (2 parts)	„ 146
„ „	„ 153
Chidambaram	„ 53
Chinna Edeyar	„ 230
Chitteri	„ 251
Codialam	„ 116
Coduvakani	„ 133
Cudivazhi	„ 115
Darumattottam	„ 407
Devankudi	„ 170
Devanputtur	„ 343
Edaiyur	„ 215
Edayanpalcheri	„ 131
Elanangur	„ 90
Elangambur	„ 145
Ellapillaikotagam	„ 325
Elleri	„ 217
Ennanagaram	„ 79
Erukankattuppadugai	„ 95
Esanai	„ 117
Essanur	„ 419
Govindhanallur	„ 341
Govindarajanpettai	„ 352
Ichampundi	„ 316
Inactpuram (2 parts)	„ 65
Jeyamkondapattanam	„ 31
Kallipadi	„ 411
Kaliyamalai	„ 279
Kandamangalam	„ 327
Kandakumaran	„ 280
Kandamangalam	„ 40
Kannankudi	„ 82
Kanakkarvattu	„ 8
Kanjankollai	„ 313
Kanattamullur	„ 206
Kankayankotagam	„ 223
Karupup	„ 96

Karuperei	No. 204
Karunakaranallur	„ 348
Kattur	„ 34
„	„ 209
Kavarappattu	„ 28
Kavalkudi	„ 384
Kilanikkuli	„ 346
Kil Adamankudi	„ 198
Kil Chokkanadhanpettai	„ 46
Kil Kudiparavai	„ 85
Kil Kundalappadi	„ 33
Kil Kadambur	„ 322
Kil Mungiladi	„ 45
Kilnattam	„ 122
Kil Perambe	„ 6
Kil Puliampattu	„ 305
Kil Pukkatturai	„ 320
Kil Radamur	„ 235
Kiliyanur	„ 177
Kil Anuvampattu and Karaipadi	„ 17
Kiraipalaiyam	„ 76
Kizhnedumbur	„ 138
Kodandavilagamvadapadi	„ 378
Kodandavilagamtenpadi	„ 77
Kodippalam	„ 19
Koduvakam	„ 173
Kollamalai Melpadi and Kilpadi	„ 253
Komaramangalam	„ 23
Kondairuppu	„ 312
Kondasamuttiram	„ 364
Kopadi	„ 111
Kosavankotagam	„ 295
Kottavassal	„ 393
„	„ 162
Kottankudi	„ 256
„	„ 38
Kovilpattu	„ 228
Kovilampundi	„ 18
Kuchur	„ 301
Kudalur	„ 99
Kudalaiyattur	„ 388
Kulappadi Vadapadi	„ 277
„ „	„ 263
Kulappadi Tenpadi	„ 262
Kumaragudi	„ 379
Kunamangalam	„ 416
Kunavassal	„ 303
Kuppanpuvilandur	„ 326
Kuppankuli	„ 231
„	„ 245
Kuringikkudi	„ 372
Kuruvadi	„ 148
Kurunkudi	„ 291
Kuttankovil	„ 66
Lakshumanantoppu	„ 75
Lakshumigudi	„ 190
Lalpettai	„ 252
Lalpuram	„ 49
Madarchudamani	„ 201

Madapuram (2 parts)	No. 149
„ „	„ 151
Madapuram	„ 88
„	„ 185
„	„ 233
„	„ 344
Maduvankarai	„ 15
Madagadi	„ 293
Madakalirmanikkam	„ 418
Madattittu	„ 81
Malavarayanallur	„ 380
Manargudi Cultivation	„ 225
Manargudi Nattam	„ 246
Manargudi Arasur (3 parts)	„ 147
„ „ „	„ 150
„ „ „	„ 154
Manakkudaiyanirupu	„ 168
Maniyadur	„ 255
Manalur	„ 184
Manarkulakkudi	„ 221
Manampadi	„ 1
Manarpuvilandur	„ 324
Manarsattiramanai	„ 234
Manarmelvali	„ 247
Marudhantanellur	„ 132
Maramreddikotagam	„ 297
Mattam	„ 239
Mazhavada	„ 331
Mel Anuvampattu	„ 43
Mel Adamanikudi	„ 199
Mel Chokanadhanpettai	„ 48
Meleri	„ 238
Melkundalapadi	„ 59
Mel Kadambur	„ 328
Mel Mungiladi	„ 74
Mel Nedumbur	„ 161
Mel Parittikudi	„ 144
Mel Pukkatturai	„ 332
Mel Radamur	„ 236
Mel Vanniur	„ 78
Mel Vaninur	„ 159
Midikkudi	„ 20
Movur	„ 240
Mudalkudian	„ 300
Mudikandanallur	„ 383
Mudukankotagam	„ 294
Mullankudi	„ 108
Murugankotagam	„ 296
Muttalur	„ 44
Nachiarpettai	„ 391
Nadrajapuram	„ 27
Nadalppadugai	„ 32
Nadutittu	„ 197
Nagaravandankudi	„ 22
Nagarappadi	„ 398
Nagaramalai	„ 271
Nalamputtur Mahajanam, Melmadam, and Kudivali	„ 106
Nandimangalam	„ 105
Nangalur	No. 101
Narattankudi	„ 182
Narikalveli	„ 345
Narumankudi	„ 334
Nattamalai	„ 284
Nattarmangalam	„ 288
Nankudi	„ 381
Neivassal	„ 192
Nedunjeri	„ 186
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Nerkunam	„ 338
Nunjai Mahattuvalkai	„ 14
Oddarpaleyam	„ 107
Odakanallur	„ 265
Oplandimedu	„ 139
Orattur	„ 178
Palayanallur	„ 93
Paluttankarai	„ 47
Paluttankudi	„ 172
Palanjanallur	„ 547
Pannaveli	„ 370
Pannapattu	„ 135
Paramesvaranallur	„ 71
Paravilagam	„ 137
Pavalakkadai	„ 62
Perampattu	„ 58
Periakotagam	„ 298
Perungalur	„ 174
Perunkalur	„ 165
Perur	„ 385
Pettai	„ 36
Pichchavaram	„ 4
Pillaiyantangal	„ 212
Ponnanganimuttu	„ 87
Puchittankudi	„ 308
Pudangudi	„ 273
Pudumadapattu	„ 69
Puliankudi	„ 200
Pulamedu	„ 103
Puliankudi	„ 121
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Puliampattu Melpadi	„ 307
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Pundi	„ 413
Punkudi	„ 120
Puntottam	„ 171
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Puttur	„ 410
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Ramankotagam	,,	226
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Saliyantoppu	,,	64
Sarakvan	,,	129
Sarvarajanpettai	,,	216
Sattivilagam	,,	270
Sattamangalam	,,	417
Sattavattam	,,	390
Savundariasolapuram	,,	362
Sellacheri	,,	404
Selvili	,,	395
Semburayaputtur	,,	211
Sengalanirpallam	,,	213
Sengalmodu	,,	119
Senninattam	,,	350
Sendan	,,	7
Seriur	,,	183
Settitankal	,,	323
Settimuttu	,,	67
Sevakam	,,	164
Singaratottataragu	,,	50
Sirugalur	,,	166
Sirukattur	,,	311
Sittalapadi	,,	24
Sivakamisundaripuram	,,	72
Sivapuri Thenpadi and Vadapadi	,,	57
Sivayam	,,	,,
Solakur	,,	194
Solattiram	,,	68
Suravelundur	,,	157
Suttamalai	,,	287
Tadanpettai	,,	125
Tadukuttagai	,,	210
Tandavarayacholanpettai	,,	—
Tandesvaranallur	,,	70
,,	,,	376
Tarisur	,,	181
Tatampattu	,,	394
Tavartampattu	,,	104
Tenmur	,,	113
Terku Tiruvarasalur	,,	330
Terkuviratanganallur	,,	260
Terkumankudi	,,	97
Tillainayagapuram	,,	41
Tillainayaganallur	,,	54
Tillaivadangan	,,	13
Timmapuram	,,	126
Timmasamudram	,,	367
Tiruchinnapuram	,,	254
Tirunaraiyur	,,	196
Tirukkalangeri	,,	51
Tirukkalippalai (2 parts)	,,	5
,, ,,	,,	29
Tiruppaninattam	,,	124
Tiruppaniyapuram	,,	219
Tirupadivilagam	,,	52
Tirumulastanam	,,	229
Tiruvasaladi (2 parts)	No.	7
,, ,,	,,	9
Tiruvarkulam	,,	37
Tondamanattam	,,	207
Torankuppam	,,	403
Torapadi	,,	118
Torappu	,,	339
Torukkuli	,,	193
Tulaiyadakandan	,,	374
Tunisiramedu	,,	86
Udaiyur	,,	208
Udyar Melvali	,,	248
Udyar Sattiramanai	,,	233
Udyarkudi	,,	227
Umampuliyur	,,	302
Uttamacholamangalam	,,	26
Uttamacholagan	,,	83
,,	,,	258
Vadaku Tiruvarasalur	,,	329
Vadaku Viratanganallur	,,	261
Vadakku Kulakkudi	,,	220
Vadakku Mankudi	,,	94
Vadapakam	,,	267
Vagur	,,	180
Vakaramari	,,	409
,,	,,	100
Valasakkadu	,,	371
Valattur Tiruppaniyapuram	,,	160
Vallampadugai	,,	60
Vandakulam	,,	290
Vanadirayanpettey	,,	158
Varahagudi	,,	358
,,	,,	360
,,	,,	363
Varakidu Vilagam	,,	73
Varagur	,,	33
,,	,,	35
Vassaputtur	,,	25
Vattattur	,,	375
Vavaltoppu	,,	214
Vayalur	,,	77
,,	,,	309
,,	,,	91
Valappadi	,,	80
Velliakudi	,,	268
Velampundi	,,	340
,,	,,	540
Velakudi	,,	61
Vendalur	,,	266
Venkatammapuram	,,	150
Venkatasamuttiram	,,	400
Venneur	,,	156
Vetchiur	,,	155
Veyilur	,,	264
,,	,,	275
Vilagam	,,	169
Viratchikuppam	,,	318
Viranattam	,,	195
Viranallur	,,	289

17. SOUTH CANARA DISTRICT.

MAP of the PROVINCE of CANARA, the north division (southern part) laid down from actual survey executed in April and May 1806. Surveyed by Benjamin Swain Ward. This survey was executed in detail on the continuation of the series of Primary Stations carried on from a Base measured in October 1805, under the immediate direction of C. Mackenzie, Supt. of the Mysore Survey. *Scale, 1 mile to 1 inch; size, 42 inches by 53.* MS.

LACCADIVE ISLANDS, included in South Canara District in 1875. *See* pages 554, 592, 597.

18. TANJORE DISTRICT.*

Including nine Taluks, not yet reached by the Revenue Survey.

Map of the RIVERS and CHANNELS of SUPPLY in the PROVINCE of TANJORE. 1856. *Scale, 2,500 yards to 1 inch; size, 75 inches by 66.*

Plan of NEGAPATAM, taken by the fleet and army under the command of Vice-Admiral Sir Edward Hughes, K.B., and Major-General Sir Hector Munro, K.B., the 12th November 1872. *Scale, 200 yards to 1 inch; size, 16½ by 20½ inches.* MS.

Map of the NEGAPATAM DISTRICTS and of part of those dependent on Nagore, laid down chiefly from surveys by Mr. G. I. Hoissard in 1791. By J. G. Inspector of Revenue Surveys, Madras, 1799. *Scale, 2 inches to 1 mile; size, 26 inches by 36.* MS.

NEGAPATAM HARBOUR. Survey Sheet. On tracing cloth. Sup. Engineers office. Tanjore, 12th October 1864. *Scale, 330 feet to 1 inch, or 16 inches to 1 mile; size, 80 inches by 39.* MS.

NEGAPATAM HARBOUR. Section Sheet. On tracing cloth. *Size, 37 inches by 33.* MS.

Plan, Elevation, and Section of the PROPOSED EXTENSION for 40 yards of the NEGAPATAM JETTY on the North side of the Harbour. Sept. 1864. *Scale, 10 feet to 1 inch; on tracing cloth; size, 23 inches by 23.* MS.

19. TINNEVELLI DISTRICT.

Including nine Taluks.

Geographical and Statistical Memoir of TIRUNELVELI* and its ZEMINDARIES, by Thomas Turnbull, Assist. Surveyor. Situation and extent of the Province. Ancient boundaries of the Pandian Dynasty. Sassanums and Inscriptions. Language. Temples. Deities. Present State. Boundaries. Lands. Climate. Population. Talooks. [NOTE.— "Left unfinished by the death of Mr. Turnbull."] In 1 vol. folio, half bound. MS.

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* For the old surveys of Tanjore and Tinnevelly Districts, *see* General Maps of the Southern Districts, pages 319, 320.

DEHAZADA and POPULATION TABLES of the different TALOOKS in the Province (District) of Tirrunelvellie. In 1 vol., large folio, half-bound. MS.

Statistical Results and Population Tables of the ELEVEN TALOOKS and the ZEMINDARIES in the PROVINCE of TIRUNELVELLI. 1821, '22, '23.

A General Table of Statistical Researches or DEHAZADA and CANASHOORMAREE of the PROVINCE of TIRUNELVELLI for the cycle years Vissu, Chittrabahnoo, and Soobahnoo, or A.D. 1821, '22, '23. By Thomas Turnbull, Assistant Surveyor. Bound together in paper cover, large folio. MS.

Meteorological Journal from February 1821 to December 1822. Folio, in purple cover.

MEMOIR of TINNEVELLY. General Sketch of the History of the Southern Divisions of the Peninsula from the commencement of the Calleeyoogum or Present Age. Collected at Pawur, in the Tenkasi tallook in Tirunelveli, from the traditionary information of Auhobala Saustry and Yaman Acharii. 1801. With memoirs of Melloor Naud and Terumboor. Folio, 72 pages, stiff cover. MS.

A brief Account of the YETEILEITTU VADUM secretly observed by some of the fourth and lower classes of the inhabitants and peasants residing in Terunelvelli District and its vicinity. Folio, 9 pages. MS.

History of TERUCHENDUR in TERUNALVELI, the Puranam or Tradition with the Bramins of the temple dedicated to Subbramuniar. Folio, 16 pages. MS.

Plan of the Western Part of the CALCAUD TALOOK as surveyed by Thomas Hill, Sub-assistant Surveyor. Nov. 1809. *Scale*, 1000 *yards to* 1 *inch; size*, 33 *inches by* 27. MS.

Plan of Part of TINNEVELLY DISTRICT as surveyed by Thomas Hill, Assistant Rev. Surveyor. 1813. *Scale*, 1000 *yards to* 1 *inch; size*, 39 *inches by* 26. MS.

Plan of the South-west Part of the CALCAUD TALOOK as surveyed by Thomas Hill, Sub-assistant Surveyor. 1810. *Scale*, 1000 *yards to* 1 *inch; size*, 37 *inches by* 41. MS.

Plan of the VEDOOGRAUMUM TALOOK. 1808. By Thomas Hill. *Scale*, 1000 *yards to* 1 *inch; size*, 30 *inches by* 34. MS.

Register of the Villages of the NELLUMBALUM CUSBAH TALOOK. Bilingual. Folio, 8 pages. MS.

Madras Revenue Survey of Tinnevelli District.

I.—Village Maps, arranged in Taluks.

1. *Villages in Ambassamudram Taluk.*

Adassani	No.	86	Arasankulam	No.	39
Adeiyakarungulam	„	96	Arikesevanallur Paleiyagramam	„	59
Alangulam	„	80	Ariyanayakapuram (2 parts)	„	40
Ambur (3 parts)	„	99	Attalanallur	„	61
Anandasamudram	„	35	Atiankulam	„	20
Appakudi (3 parts)	„	74	Bramanadesam (3 parts)	„	84

Darmapuramatam	No. 102
Desamanikam	„ 9
Ekambrapuram	„ 95
Giriyammalpuram	„ 58
Gopalasamudram	„ 1
Govindapperi	„ 103
Iluppakurichi	„ 73
Isaniyamatam (2 parts)	„ 94
Kaliyankulam	„ 51
Kappalipparei (2 parts)	„ 52
Karappakulam	„ 15
Karisalapatti	„ 23
Karisuludmangalam	„ 29
Kasidharmam	„ 76
Kesavasamudram	„ 28
Kilaseval	„ 7
Kodaganallur (2 parts)	„ 31
Kollankulam	„ 47
Kolumadi	„ 10
Karankani	„ 68
Kuniyur	„ 38
Madattur (2 parts)	„ 82
Maleiyangulam (2 parts)	„ 66
Manamangalam	„ 70
Manarkovil	„ 98
Manaparanallur	„ 55
Marudamputtur	„ 78
Marandei (2 parts)	„ 46
Melakkullur	„ 32
Naivarkulam	„ 8
Nandupidittankulam	„ 3
Odeimerissan	„ 49
Olagankulam	„ 19
Omanallur	„ 2
Pallakkal	„ 87
Palanur	„ 30
Palavsadi	„ 88
Pappankudi (2 parts)	„ 74
Pattur	„ 45
Pattamadeikovilpattu (7 parts)	No. 22
Perancherry	„ 4
Perappankulam	„ 50
Perankulam	„ 65
Pilleikkulam	„ 26
Ponamalaikkadu	„ 25
Pudukkudi	„ 63
Pungudeiyarkulam	„ 27
Rangasamudram (3 parts)	„ 72
Ravanasamudram (2 parts)	„ 101
Sattuppattu	„ 71
Sengappadu	„ 12
Sevali (2 parts)	„ 6
Senkulam	„ 75
Sidaparppanallur	„ 43
Singambovu	„ 53
Singampatti	„ 91
Sirukankurichi (2 parts)	„ 41
Sokkalingapuram	„ 5
Tendiripuvanam	„ 56
Tiruppudeimarudur (2 parts)	„ 60
Tiruvaliswaram	„ 85
Triuttur	„ 33
Timmarajasamudram	„ 90
Udaiyamarkandapuram	„ 57
Udeiyambulli	„ 48
Ugandappatti	„ 44
Ummiyamalpuram	„ 34
Uppurani	„ 17
Uttandamaiyyanpalli	„ 11
Vadakku Edayyankulam	„ 21
Vaiyalanambeikulam	„ 16
Vaniankulam	„ 13
Veiranikulam	„ 92
Vellanguli	„ 69
Venkattarangapuram	„ 18
Vittirundankulam	„ 64
Virasamudram	„ 106

2. *Villages in Tencasi Taluk.*

Ainarkolam	No. 22
Aiyamperumatevanpulli	„ 48
Andippatti	„ 19
Avadeiyanur	„ 24
Dalavoimudalliar Pulli	„ 17
Ideikal	„ 3
Kadeiyanallur (2 parts)	„ 2
Kasedurmum	„ 4
Kasimejorpuram	„ 41
Kattuvettarangulam (2 parts)	„ 28
Kistnapuram (2 parts)	„ 1
Kodikkurissi	„ 6
Kumarakovil (3 parts)	„ 40
Kunaramanallur (3 parts)	„ 8
Kurungavanam	„ 14
Kuttukkalvalasei	„ 44
Maddalambarei	„ 30
Mayamankurissi (2 parts)	„ 20
Melakaram	No. 34
Naduveiyal	„ 5
Nagalkadu	„ 42
Nagogirayerpulli	„ 50
Panapulli	„ 49
Pattakurissi	„ 10
Peranur	„ 43
Periya Pillei Valasei	„ 45
Puliyur (2 parts)	„ 9
Sennattapudukulam	„ 27
Settippattu	„ 36
Sundrapandiam (2 parts)	„ 11
Surandei (3 parts)	„ 13
Tattankolam	„ 12
Terkusattaneri	„ 29
Tirusittambalam	„ 15
Uttumalaipuli	„ 23
Vadakkusattaneri	„ 35

3. *Villages in Tenkarai Taluk.*

Achamapadu	No.	63
Adiel (2 parts)	„	—
Aiyamperumalkuduruppu	„	148
Alankinar	„	130
Amarapuram	„	151
Ambalasseri	„	—
Ammanpuram	„	58
Arasakolam	„	95
Ariyakurichi	„	153
Ayanudaipurappu	„	175
Idayalankolam (2 parts)	„	—
Iluppakolam	„	156
Iruvappanpuram (3 parts)	„	4
Kachinavalai	„	72
Kadambankulam	„	—
Kalankudiiruppu	„	144
Kanavaneri	„	—
Kannikurichi	„	141
Kareisseri (2 parts)	„	89
Karungadu	„	170
Karungulam	„	86
Katachapuram	„	—
Kattarimangalam	„	—
Kayalpattanamchillaraipulli	„	53
Kilachiriyandur	„	37
Kombankulam	„	125
Kuduvaikinar	„	150
Kulasegaranpattanam (2 parts)	„	147
Kummattikottai (2 parts)	„	176
Kumarapuram	„	5
Madavakurichi	„	169
Manappadu	„	—
Marudurkaraisanpattu	„	140
Mel Tangai	„	155
Melasiriyandur	„	90
Mirangulam	„	—
Mudalur	„	162
Mudittanandal (2 parts)	„	14
Mulakarai	„	—
Mulakkarai (2 parts)	„	32
Mulapuli	„	62
Naduvakurichi (2 parts)	„	182
Nainapuram	„	19
Nallur	„	54
Nalurnavadi (2 parts)	„	—
Nangamoli	„	138
Nattupuramperumpattu (2 parts)	„	139
Nattuvakai	„	—
Nedunkulam	„	124
Pacheri	„	171
Padugaipattu (2 parts)	„	172
Pallakurichi	„	163
Palankulam	„	—
Pallakinar	No.	151
Pandarapuram (2 parts)	„	131
Panaikulam	„	107
Paravakurichi (2 parts)	„	67
Parpanamangalam (2 parts)	„	28
Periyakandavidali	„	153
Perur	„	24
Pichengudiyiruppu	„	—
Pilliyaneri	„	—
Puduramanallur	„	166
Pudukudishanpattu	„	167
Punakulam (4 parts)	„	80
Pudukudi	„	61
Rendusollanallur	„	154
Sastavinallur (2 parts)	„	183
Sattankulan	„	133
Serakkulam (3 parts)	„	—
Settimallanpatti	„	16
Settipattu	„	—
Selvapuram	„	—
Sevalai	„	39
Sikkachi	„	145
Sinnakulam	„	—
Srivenkatesvarapuram (2 parts)	„	—
Strikistnaperi	„	122
Striparankusanallur	„	26
Strivaikuntam	„	27
Sundankottai	„	173
Tachanvilai	„	—
Tadankolam	„	33
Talai	„	178
Tanduvankadu	„	168
Tangaikulam	„	—
Temangulam	„	—
Tenkarei	„	81
Tirukalurvadamalpulli	„	74
Tirunavirudayapuram	„	78
Toppukolam	„	—
Udiyaneri	„	100
Vadamalaisamudrampannaipattu	„	56
Vagaikolam	„	13
Vaganeri	„	141
Valasaikinar	„	119
Vallanadu (2 parts)	„	157
Vallakolam	„	40
Varandivayalshanpattu	„	48
Vasavappaneri	„	—
Vattiyarkudi Iruppu	„	143
Vattakavalai	„	160
Veppankinar	„	165
Viramartandanallur (3 parts)	„	132
Virakolam	„	159
Yeluvaraimuki	„	116

4. *Villages in Tinnevelli Taluk.*

Abishekapatti	No.	111
Agram	„	7
Aiyanaruttu (2 parts)	„	125
Aiyankarisakulam	„	120
Alaganeri (Kattuguthagai)	„	74
Alagiyapandiyapuram	„	129
Alankulam	„	72
Alikudi (Kattuguthagai)	„	—
Anantakristnapuram	„	43
Anuparpatti	„	126
Arampani	„	10
Aravankulam Paliyagrhamam	„	70
Arayankulam (Kattuguthagai)	„	—
Avanaperi	„	39
Avaiyarkulam	„	100
Ayanpudukkolam	„	135
Dikshasamuddiram	„	67
Elanthakulam (Kattuguthagai)	„	—
Ettankolam	„	131
Kalakkudi	„	132
Kaliyugarmanallur	„	5
Kalkurichi	„	33
Kammalankulam (2 parts)	„	109
Kandiyapperi	„	106
Kangiyankulam	„	113
Karadikulam	„	103
Karairuppu (Kattuguthagai)	„	—
Karunkadu	„	88
Karunkulam	„	83
Kaaprpantorai	„	82
Kattalaindaiyaneri (Kattuguthagai)	„	—
Kattarankulam	„	127
Kattuguthagai Villages in 2 Grand Circuit	„	—
Kilnattam	„	44
Kottanipullikumalankulam	„	—
Kondanagaram	„	101
Kongurayankurichi	„	11
Koravarkulam (Kattuguthagai)	„	—
Kristnapuramkovilpatti	„	16
Kulavanikkapuram	„	48
Kumarasamipuram	„	63
Kunnattur	„	93
Lakshunarsinghapuram	„	47
Manimurtesvaram	„	68
Manpadavidu	„	41
Marudur	„	25
Mavadi (2 parts)	„	115
Melappaliyam	„	58
Melappattam	„	104
Melvattam	„	59
Mellidiyour (Kattuguthagai)	„	—
Minakshipuram Vilagam	„	91
Morappanadukovilputtu	„	22
Morappandu Pudugrahaman	„	21
Munnirpallam (2 parts)	No.	84
Muruganknrichi (2 parts)	„	49
Nadukari Udaiyarkulam, &c. (Kattuguthagai)	„	—
Naduvakurichi	„	35
Nanjamkolam (Kattuguthagai)	„	—
Naranammalpuram	„	71
Narivuttu	„	110
Nedunkulam	„	107
Nochikulam	„	19
Odaiyarkulam	„	37
Paduvalamperi	„	27
Palamadai	„	34
Palaiyankotta (2 parts)	„	26
Pambankulam	„	108
Panaiyankulam	„	45
Pannitichankolam (Kattuguthagai)	„	—
Paraikulam	„	18
Parappakkulam, &c.	„	17
Pappankulam	„	29
Perankulam	„	76
Piranseri (2 parts)	„	121
Puttaneri	„	23
Rajagopalapuram	„	50
Rettiyapatti (Kattuguthagai)	„	—
Sadaiyaneri Melvomanullur Majra	„	86
Saidunganallur	„	12
Sambankulam	„	75
Samugariyyenkattalai (Inam)	„	—
Sapparai Rajavallipuram	„	43
Sattirampudukolam	„	73
Sedhakurichi	„	137
Seliyanallur (3 parts)	„	124
Sendimangalam	„	69
Sengani	„	90
Settikulam (Kattuguthagai)	„	—
Setuvaroyaputtur	„	—
Sikkanarasaiyyangrahamam	„	80
Sindhupundurai Palaiyagrahman	„	62
Sindhupundurai Kovilpattu	„	61
Sittarsattiram	„	24
Singattakurissi (2 parts)	„	2
Sokkapani	„	133
Subrhamaniyapuram	„	66
Suttamalli Pudugrhamam (2 parts)	„	96
Sattamalli Kovilpattu (2 parts)	„	97
Tachanallur	„	77
Taruvei	„	85
Tenpattu	„	81
Tenikulam (Inam)	„	—
Tenkulam Veppankulam	„	—
Terkuppatti	„	138
Tidiyour	„	87

Tirumalakulundapuram -	- No. 34	Ullani - - -	- No. 102
Tirumalapuram - -	- „ 134	Vakkalam - -	- „ 24
Tiruttupattavartti -	- „ 36	Vappankulam - -	- „ 122
Tiruvennadhapuram -	- „ 64	Vellaikovil - -	- „ 24
Tummarajapuram (2 parts)	- „ 46	Vijiyaragava Mudailliar Sattiram (Kattuguthagai) -	- „ —
Udaiyaneri - -	- „ 32	Virampatti Majra, &c. -	- „ 112
Ulakkadi (2 parts) -	- „ 3	Vittalapuram Kovilpattu	- „ 13
Uttamapandiyapuram (Kattugu-thagai) - -	- „ —		

Pearl Banks off TUTICORIN and TRICHENDOOR. *Scale,* 1½ *miles to* 1 *inch; size* 18 *inches by* 28 *; price* 1*s.*

20. TRICHINAPALLI DISTRICT.

Including five Taluks.

Plan of the PROVINCE (District) of TRICHINOPOLY. Surveyed in the years 1832-33 and '34 under the Superintendence of Capt. B. S. Ward, Assistant Surveyor-General. *Scale,* 1 *mile to* 1 *inch; size,* 77 *inches by* 102.

*** The map is divided into six pieces and the central piece of the three forming the upper part is missing. MSS.

Map of the PROVINCE (District) of TRICHINOPOLY. Surveyed in the years 1832-33 and '34 under the Superintendence of Capt. B. S. Ward. Reduced in the Office of the Surveyor-General of India from the map on 1 mile to an inch, to a scale of 4 miles to 1 inch. Calcutta, 19th Sept. 1836. *Size,* 21 *inches by* 28. MS.

Descriptive Memoir and Registers of Villages of the eight TALOOKS in the PROVINCE of TRICHINOPOLY. Folio, stiff cover. MS.

PROVINCE of TRICHINOPOLY. A Khaneshumaury and a Dehazadda Table of the eight Talooks. Description of the general boundary common to Trichinopoly and South Arcot. Plan and Register of Triangles. Measurement of Five roads, with maps. Folio, stiff cover. MS.

TRICHINOPOLY CANTONMENT and BARRACKS, Madras Presidency :—

1. Indian Atlas, sheets 79, 80, containing the Cantonment and Military Roads, coloured.
2. Plan of the Cantonment of Trichinopoly, corrected up to 10th July 1866. *Scale,* 6 *inches to* 1 *mile.*
3. Barracks for the Royal Artillery and European Infantry at Trichinopoly, on 20 sheets.

Plans and Sections of Buildings in and attached to the CENTRAL JAIL at TRICHINOPOLY. No date. *Size,* 37 *inches by* 50. On tracing cloth. MS.

Madras Revenue Survey of Trichinapalli District.

I. District Map.

Map of the TRICHINOPOLY DISTRICT showing the boundaries of Taluqs. Chepauk, 1862. *Scale,* 2 *miles to* 1 *inch; size,* 45 *inches by* 52.

II. Taluk Maps.

Map of the MUSARI TALUQ, Trichinopoly District. Reduced from the maps of the Revenue Survey executed in 1858 and '59, by Capt. W. H. Hessey, 21st. M. N. I., Deputy Supt. Rev. Survey; Messrs. W. Beaumont, and B. C. Leggatt, Assist. Supt. Madras, 1863. *Scale,* 1 *mile to* 1 *inch; on* 3 *sheets, size,* 42 *inches by* 53.

Map of the PERAMBALUR TALUQ, Trichinopoly District. Reduced from the Maps of the Revenue Survey executed in 1856 and '58, by Lieut. W. H. Hessey, 21st. M. N. I. Deputy Supt. Revenue Survey; and Lieut. R. T. Pratt, 84th Foot, Assist. Supt. Lithographed at Madras, June 1862. *Scale,* 1 *mile to* 1 *inch; on* 4 *sheets; size of each,* 30 *inches by* 27.

Map of the TRICHINOPOLY TALUK, Trichinopoly District. Reduced from the maps of the Revenue Survey executed in 1859 and '60 by Capt. W. H. Hessey, 21st M. N. I., Deputy Supt. Revenue Survey. *Scale,* 1 *mile to* 2 *inches; on* 9 *sheets; size,* 6 *feet* 6 *inches by* 7 *feet* 6 *inches.*

Map of the UDIARPALLAM TALUQ, Trichinopoly District. Reduced from the Maps of the Revenue Survey executed in 1856 and '57 under the Superintendence of Capt. F. J. B. Pristley, 74th Highlanders. Lithographed at Madras, 1862. *Scale,* 1 *mile to* 1 *inch; on* 4 *sheets; size of each,* 32 *inches by* 27.

*** With a Tabular List of Istimzar (permanently settled) and Government Villages in the Taluq, giving their area, and extent of cultivation.

III. Hydrographic Map.

Hydrographic Map of the MUSARI TALUQ in the Trichinopoly District. Reduced from the Revenue Survey Maps, 1858 and '59. *Scale,* 1 *mile to* 1 *inch; size,* 44 *inches by* 56.

Village Maps arranged in Taluks.

I. *Villages in Kulittalei Taluk.*

Ainuttimangalam	No. 30	Kariyappanaikkanpettai	No. 29
Amayapuram	„ 103	Karuppattur	„ 38
Ambasamudram	„ 37	„	„ 38½
Aniyapur	„ 85	Karuppur	„ 116
Arachampatti	„ 74	Kattalai	„ 55
Balarajapuram (2 parts)	„ 56	Kilvaliyur	„ 90
„ „	„ 57	Kistnapuram (2 parts)	„ 50
Chittilavai (2 parts)	„ 51	„ „	„ 61
„ „	„ 62	Kosur	„ 68
Chittipatti	„ 109	Kuluttalai	„ 17
Devarmalai	„ 67	Kumaramangalam	„ 14
Elamanam	„ 115	Kumaravadi	„ 114
Enadimangalam	„ 24	Mahatanum	„ 47
Ettuchi	„ 1	Malaiyampatti	„ 108
Gudalur	„ 71	Manattattai	„ 27
Inungur	„ 10	Manuvasi (2 parts)	„ 60
Iraniyamangalam	„ 12	„ „	„ 60½
Kalaiyampatti	„ 66	Mangalanattam	„ 38½
Kalladi	„ 89	Manganaikkanpatti	„ 65
Kallai	„ 72	Marudur	„ 13
Kallapalli	„ 35	Mattaghiri	„ 81
Kalugur	„ 70	Mayanur	„ 53
Kammananellur	„ 48	Melvaliyur	„ 77
Kannudayampatti	„ 105	Mogavanur	„ 101

Mudalapatti	No.	3
Muddubalasamudram (3 parts)	„	18
Muddurungapatti	„	64
Nadupatti (2 parts)	„	112
„ „	„	115
Naganur	„	79
Nallampillai	„	97
Nallur	„	11
Nangavaram	„	7
Nandakottai (2 parts)	„	45
„ „	„	46
Neidulur	„	9
Padaripatti	„	88
Panaiyur	„	5
Panjapatti	„	42
Pannapatti	„	118
Papakkapatti	„	40
Parali	„	20
Pazbaiyakottai	„	102
Periyapatti	„	94
„	„	99
Pillaipalaim	„	36
Poduraenttanpatti	„	41
Porundalur	„	87
Poyamani	„	8
Poyyapatti	„	106
Poyyaputtur	„	49
Pudukottai	„	113
Pullur	„	93
Puttanattam	„	117
Puttur	„	76
Ranganadapuram (2 parts)	No.	54
„ „	„	59
Rajandartirumalai	„	75
Rajendram (2 parts)	„	15
„ „	„	19
Reddiyapatti	„	110
Sekkanam	„	111
Sengal	„	63
Sevalur	„	104
Sindalavadi	„	44
Sivayam	„	22
Sukkomputti	„	7½
Tannirpalli	„	16
Tavalaverampatti	„	100
Timmachipuram	„	32
Tiruchirpur	„	9
Tirukkammpuliyur	„	52
Tiruvangadanadapuram	„	31
Togamalai	„	73
Tondamanganam	„	80
Toppampatti	„	96
Vadacheri	„	91
Vadiyam	„	28
Vaighainellur	„	23
Vaiyampatti	„	110
Vayalur	„	39
Vellalapatti	„	84
Venkakurichi	„	107
Virarakkiyam	„	58
Viriyapalayam	„	43

2. *Villages in Musari Taluk.*

Adanur (3 parts)	No.	74
„ „	„	153
„ „	„	130
Aiyampalayam	„	163
Alagarburi (2 parts)	„	107
„ „	„	109
Alagari (2 parts)	„	186
„ „	„	188
Alathudaiaganpattai	„	112
Ammapalayam	„	21
Amur (2 parts)	„	140
„ „	„	143
Angiyam	„	110
Appananellur	„	179
Arangur	„	210
Arasalur	„	206
Ariyanampettai	„	190
Ayigudi	„	34
„	„	34
Badarpettai	„	83
Balakistnampettai	„	104
Bommanupadi	„	3
Chatteramanai	„	2
Chettikolam	„	4
Chinnamareddipalaiam	No.	29
Chittambur	„	139
Chittur	„	192
Chokkanadapuram	„	77
Devageri	„	221
Edamalai	„	27
Elandalaputti	„	43
Elarpatti	„	212
Eragudi	„	119
Erikkalam	„	193
Evur	„	146
Gavuttanur	„	208
Gengoramasattiram	„	56
Gopalasamudram (2 parts)	„	86½
Ichampatti Koliyampatti	„	75
Ilapaiyur	„	60
Kaduvetti	„	225
Kalarampatti	„	20
Kalattur	„	42
Kalladipatti	„	134
Kalingamudayanpatti	„	80
Kalapalayam	„	33
Kanaganaickanpoliem	„	184
Kannanur	„	129

Tadambatti - - -	No. 182
Talugai - - -	„ 99
Taludalapatti - - -	„ 53
Tandalai - - -	„ 136
Tenur - - - -	„ 41
Tinnakonam - - -	„ 147
Tinnanur - - -	„ 59
Tiruttalaiyur - - -	„ 152
Tiruvengamalai (2 parts) -	„ 183
„ „ -	„ 187
Tolurpatti - - -	„ 213
Tottiyam (4 parts) - -	„ 191
„ „ - -	„ 196
„ „ - -	„ 200
„ „ - -	„ 207
Tottipatti - - -	„ 26
Tiruttimalai - - -	„ 137
Tulaiyanattam - - -	„ 195
Tumbalam - - -	„ 177
Uttandapatti - - -	„ 121
Uppulipuram (2 parts) - -	„ 96
Vadakkupatti - - -	„ 118
Vadakuveli - - -	No. 76
Vairisettipalayam - -	„ 101
Valaiyur - - -	„ 15
„ - - -	„ 52
Valaiyanur - - -	„ 73
Valavandi - - -	„ 158
Varadarajapuram - -	„ 201
Vellukkupatti - - -	„ 40
Vellur - - - -	„ 169
Velur - - - -	„ 1
Velambatti - - -	„ 108
Vengaram - - -	„ 35
Vengamandalam - -	„ 70
Vengattammalsamuthram (2 parts)	„ 85
„ „	„ 89
Vencatachalapuram - -	„ 92
Veralipatti - - -	„ 23
Verani - - - -	„ 55
Viramachampatti - -	„ 127
Visalatchiyammalsamudram -	„ 122
Visvammalsamudram (2 parts) -	„ 103

3. *Villages in Perambalur Taluk.*

Adakkanur - - -	No. 67
Adanur - - - -	„ 153
Agraram - - -	„ 24
Agaram Sigur - - -	„ 10
Aiyanarapoliem - -	„ 84
Alambadi - - -	„ 117
Alandalpur - - -	„ 202
Alangali - - -	„ 71
Alattur - - - -	„ 174
Amarosur - - -	„ 212
Anappadi (2 parts) - -	„ 189
„ „ - -	„ 218
Andur - - - -	„ 132
Anugur - - -	„ 72
Arayur - - - -	„ 93
Arumadal - - -	„ 125
Arumbavur - - -	„ 99
Arunarai - - -	„ 165
Asur - - - -	„ 128
Attiyur - - -	„ 12
Avattur - - -	„ 130
Ayagudi - - -	„ 38
Ayalur - - - -	„ 170
Brammadesam - - -	„ 66
Chalurbogam (3 parts) - -	„ 205
„ „ - -	„ 206
„ „ - -	„ 207
Chinna Vadagarai - -	„ 76
Chinnavenmani - - -	„ 147
Chokkanadapuram - -	„ 119
Elambalur - - -	„ 121
Elamur - - - -	„ 40
Erayur - - - -	„ 35
„ - - -	„ 158
Esanai - - - -	No. 106
Gerudamangalam - -	„ 188
Ilpagudi - - -	„ 226
Irur - - - -	„ 173
Kadambur - - -	„ 97
Kadur - - - -	„ 138
Kaikalattur - - -	„ 83
Kaiperambur - - -	„ 13
Kalakarai - - -	„ 200
Kalanivasal - - -	„ 28
Kalipadi - - -	„ 169
Kalattur - - -	„ 198
Kalingaroyanellur - -	„ 1
Kallagam - - -	„ 214
Kallai - - - -	„ 19
Kallagudi - - -	„ 209
Kanagasittur - - -	„ 46
Kamranur - - -	„ 199
Karaipadi - - -	„ 16
„ - - -	„ 220
Karagudi - - -	„ 36
Karumbeyam - - -	„ 152
Karai - - - -	„ 171
Kariganur - - -	„ 54
Karupattankurichi - -	„ 9
Kasarampattu - - -	„ 49
Kavalpalayam - - -	„ 160
Kilkarai (3 parts) - -	„ 69
„ „ - - -	„ 107
„ „ - - -	„ 109
Kilmuttur - - -	„ 14
Kilarasur - - -	„ 213
Kiliapatta - - -	„ 17
Kiliyur - - -	„ 23

Kilayur - - -	No. 131
Kiranur - - -	" 6
Kalaganattam - - -	" 190
Kalattur (2 parts) - -	" 198
Komarapalayam - -	" 197
Konagurichi - - -	" 48
Koneripalayam - - -	" 120
" - - -	" 140
" - - -	" 232
Kottarai - - -	" 195
Kottavasal - - -	" 145
Kumram - - -	" 148
Kurinjipadi - - -	" 230
Kurumbalur - - -	" 115
Kudalur - - -	" 225
Kurambapalayam - -	" 194
Kuttur - - - -	" 228
Ladapuram - - -	" 114
Malialpatti - - -	" —
Malvai - - - -	" 204
Mahadevi - - -	" 193
" - - -	" 68
Mangalam - - -	" 45
Maravanattam - - -	" 61
Maravattur - - -	" 157
Mattavarai - - -	" 88
Mamlinga - - -	" 87
Melkurambalur - - -	" 62
Melkarai - - -	" 108
Melarasur - - -	" 208
Melarattur - - -	" 86
Mettal - - - -	" 221
Mottapalayam - - -	" 64
Muduvattur - - -	" 210
Mungilpadi - - -	" 150
Nagalur - - -	" 110
Nallarikkai - - -	" 139
Nallur (2 parts) - -	" 185
" " - - -	" 186
Namayur - - -	" 34
Nambakurichi - - -	" 182
Namai - - - -	" 21
Naranmangalam and Vijaiyagopalapuram - - -	" 172
Narianuttam - - -	" 224
Neduvasal - - -	" 159
Nerkonam - - -	" 78
Neykuppai - - -	" 75
Nochiyam - - -	" 164
Nuttapur - - -	" 85
Odiam - - - -	" 155
Ogalur - - - -	" 26
Olapadi - - - -	" 15
Orattur - - - -	" 215
Padalur - - -	" 179
Palayavettagudi - -	" 141
Palayam - - -	" 187
Palinganattam - - -	" 211
Paliyur - - - -	" 91
Paravay - - -	No. 37
Pasambalur Tenkarai - -	" 5
Pasambalur Vadagarai - -	" 52
Patangi - - -	" 80
Payaganattam - - -	" 113
Perali - - - -	" 156
Perambalur - - -	" 3
Perayur (2 parts) - -	" 31
" " - - -	" 47
Periyavenmani - - -	" 146
Perumattur - - -	" 35
Perambalur - - -	" 162
Perumapalayam - -	" 151
" - -	" 32
Perumapalayam (2 parts) -	" 178
Perunila - - -	" 81
Peryavadagarai - - -	" 77
Pettainattam - - -	" 129
Pilvadi - - - -	" 126
Pilimisai - - -	" 127
Pillankolam - - -	" 82
Pimbalur - - -	" 57
Pinakonum - - -	" 29
Pondagoppadi - - -	" 56
Pokkeni - - -	" 112
Pudukurichi - - -	" 175
Puduneduvalur - - -	" 166
Pudupettai - - -	" 11
Pulambadi - - -	" 95
Puliyur - - -	" 42
" - - -	" 111
Pumattur (2 parts) - -	" 92
" " - -	" 105
Puttur - - - -	" 133
" - - -	" 154
Ronganadapuram - -	" 222
Sadarakadu - - -	" 149
Sadanavadi - - -	" 74
Sarudamangalam (2 parts) -	" 201
" " - -	" 216
Sattanur - - -	" 196
Sattipadi - - -	" 217
Sengeri - - - -	" 118
Sengonum - - -	" 123
Sillagudi - - -	" 219
Sirumattur - - -	" 41
Sirukalappur - - -	" 184
Sirukodal - - -	" 124
Siruvambur - - -	" 192
Sirunila - - -	" 79
Siruvachur - - -	" 167
Siruvayalur - - -	" 73
Sittali - - - -	" 127
Tambai - - -	" 43
Temnur - - -	" 136
Teronai - - -	" 176
Timmur - - -	" 223
Tirumangapuram - -	" 122
Tirumantorai - - -	" 30

Tirupayar - - -	No. 116
Tiruvilakurichi - - -	,, 177
Tiruvalanturai - - -	,, 50
Tovayur - - -	,, 44
Toludalai - - -	,, 101
Tolisvarapuram - - -	,, 137
Tonkaraimampundi (2 parts) -	,, 51
Tondamantorai - - -	,, 102
Tondapadi - - -	,, 90
Toramangalam - - -	,, 161
Toramangalam - - -	,, 161
Tungani - - -	,, 63
Tungapuram - - -	,, 18
Turingipadi - - -	,, 143
Vadakkalur - - -	,, 25
Vailapadi - - -	,, 7
Valingandaburam - -	,, 65
Vannarampundi - -	,, 58
Varagupadi - - -	No. 191
,, - - -	,, 203
Varagur - - -	,, 100
,, - - -	,, 134
Vasistitaburam - -	,, 2
Vayalur - - -	,, 8
Vellivadi - - -	,, 53
Vellagudi - - -	,, 135
Velvimangalam - -	,, 4
Vengalam - - -	,, 94
Venganur - - -	,, 95
Venpar - - -	,, 89
Veppantattai - - -	,, 104
Vepur - - - -	,, 20
Vilamputtur - - -	,, 163
Viramanullur - - -	,, 5
Visvagudi - - -	,, 103

4. *Villages in Trichinapally Taluk.*

Abisbegapuram (2 parts) -	No. 446
Abisbegapuram (2 parts) -	,, 88
,, ,, - -	,, 92
,, ,, - -	,, 97
Adavattur - - -	,, 350
Adigudi (2 parts) - -	,, 72
Agalanga Nellur (3 parts) -	,, 422½
,, ,, -	,, 442
,, ,, -	,, 421
Agaram - - -	,, 290
Agharasidevimangalam -	,, 195
Ayampalayam - - -	,, 180
Aiyampatti - - -	,, 273
Alagiyamanavalam - -	,, 204
Alambakkamabajanam (2 parts)	,, 3
,, ,, -	,, 20
Alambakkamabajanam (3 parts)	,, 254½
Alambukkam Vullur - -	,, 90
Alambadi - - -	,, 1
Alangudi (2 parts) - -	,, 28
Alangudimahajenamullur (2 parts)	,, 28½
Alavandanellur - - -	,, 359
Alandur - - -	,, 40
Alattur - - -	,, 292
Alvarpattavaratti - -	,, 289
Alletorai - - -	,, 355
Ambilkattalai - - -	,, 66
Ambilchattram - - -	,, 65
Ammangudi - - -	,, 392
Ambiyampattavaratti - -	,, 424
Amuttirayanellur - -	,, 360
Analai - - - -	,, 406
Anandanur (2 parts) - -	,, 114
,, ,, - -	,, 424
Anandanullur - - -	,, 393
Angarai - - -	,, 101
Appatorai - - -	,, 146
Arasangudi - - -	,, 258
Arasappadi - - -	No. 182
Ariyamungalam - -	,, 312
Ariyur - - -	,, 50
Asur - - - -	,, 276
Allur - - - -	,, 387
Attani - - - -	,, 196
Bavinipattavaratti - -	,, 103½
Chennagar - - -	,, 230
Chettiyarpettai - - -	,, 264
Chillaraipattavaratti (4 parts) -	,, 89
,, ,, -	,, 90
,, ,, -	,, 91
,, ,, -	,, 94
Chindamuni - - -	,, 320
Chinnavelakurichi (2 parts) -	,, 170
,, ,, -	,, 172
Chinnakakaruppur - -	,, 394
Chittragudi (2 parts) - -	,, 423
,, ,, - -	,, 425½
Damalvarubayam - -	,, 325
Devadanam - - -	,, 315
Devaroyaneri - - -	,, 275
Devimangalam - - -	,, 178
Edamangalam - - -	,, 34
Edaiyapatti - - -	,, 432
Edamalapatti - - -	,, 336
Edayattamogalam - -	,, 95
Egaramangalam - -	,, 376
Elamanur (3 parts) - -	,, 403
,, ,, - -	,, 407
,, ,, - -	,, 412
Elamamanakkudi - -	,, 100
Ellagudi - - -	,, 302
Ennaigramam - - -	,, 436
Esanaikarai - - -	,, 131
Ettumattidal - - -	,, 367
Ettuchi Kottalai - -	,, 188
Genudarajanellur - -	,, 253

Melvayalur (2 parts)	No. 384
Melperungalur	„ 134
Melkilparttikal	„ 53
Melur	„ 278
Meltengal	„ 191
Melupattugudi	„ 117
Minachipuram	„ 411
Mottupatti (3 parts)	„ 47
„ „	„ 58
„ „	„ 64
Murugur	„ 48
„	„ 52
„	„ 54
Murutandakurichi	„ 369
Murudur (2 parts)	„ 113
Mullangudi (2 parts)	„ 396
„ „	„ 397
Mullal	„ 33
Mullikarambur	„ 381
Mummadisolamangalam	„ 78
Murangapettai	„ 372
Mutturasanellur (2 parts)	„ 370
„ „	„ 373
Muttiyur	„ 127
Nacharkovil	„ 87½
Nachikurichi	„ 35
Nadarajapuram	„ 259
Nagerapallivayal	„ 118
Nagoveli	„ 261
Nagore	„ 106
Nangamangalam	„ 184½
Nangansengandi	„ 35
Nangapallivadai (2 parts)	„ 187
Namimangalam	„ 79
Narasingapuram	„ 307
Narasingamangalam	„ 166
Nattam	„ 24
Nattamangudi	„ 11
Nekkupai	„ 107
Neyveli	„ 226
Neringalgudi	„ 120
Nochivayal	„ 284
Nochiam	„ 198
Nonalgudi	„ 286
Odakarai	„ 167
Olaiyur	„ 338
Olandangudi (2 parts)	„ 205
„ „	„ 183
Olimidi	„ 269
Oraiyur	„ 324
Ottagudi	„ 306
Ottanur	„ 164
Pachampettai	„ 126
Pachur	„ 208
Palayam	„ 4
Palambnlivettu	„ 236
Panungamungudi	„ 279
Palapondam	„ 149
Palapattadaipudutiruttu	„ 240
Papakurichi	No. 304
Palappatorai	„ 441
Palayanellur	„ 206
Pallaburam	„ 418
Pambaramsutti	„ 122
Panamangalam	„ 186
Pannangattangudi	„ 104
Pannangikandanpatti (2 parts)	„ 294
Panaiyapuram	„ 250
Pannaimumadisolamangalam	„ 416
Pannainarasingamangalam	„ 105
Pannaisattamangalam	„ 74¼
Pandamangalam	„ 329
Pandiyapuram	„ 212
Pannungudi	„ 86
Pannaimurudur (2 parts)	„ 135
„ „	„ 135½
Papagudi (2 parts)	„ 435
Papakurichi	„ 304
Pattalpettai	„ 265
Pattamankolam	„ 270
Pattagacheri (2 parts)	„ 59
„ „	„ 63
Pavaravaditerumangalam	„ 103
Peniyakurichi	„ 314
Perappangudi	„ 155
Periyavalacheri	„ 124
Perungudi	„ 361
Peravalapur	„ 10
Perur	„ 382
Perulur	„ 75
Pettai	„ 215
„	„ 29
Pichandarkovil Palayagaramandneikuppam	„ 150
Pinnavasal (2 parts)	„ 82
„ „	„ 41
Piravalanellur	„ 42
Pirattiyur	„ 344
Pongyachelli (2 parts)	„ 190
„ „	„ 151
Porattagudi	„ 110
Poyyagudi	„ 277
Pudugudi	„ 158
Pudupatti	„ 220
Pudur	„ 5
Puduruttamunur	„ 39
Pukkartorai	„ 225
Pulangudi	„ 268
Pulambadi	„ 17
Pulivalam	„ 401
Puliyandakurichi (3 parts)	„ 288
Punampalayam	„ 181
Punganur	„ 347
Pungampatti	„ 434
Pungaipallivadai	„ 174
Pungudi	„ 346
Punjeisengandi	„ 36
Purugamani	„ 413

Puttambar - - -	No. 266
Puttur - - -	„ 443
Ramanadanellur - -	„ 368
Ramanujakudam - -	„ 56
Rangachipuram - -	„ 408
Rapusal - - -	„ 427
Rettnangudi - - -	„ 111
Sandapuram - - -	„ 351
Sattamangalam - -	„ 74
Sattambadi - - -	„ 171
Sattanur - - -	„ 337
„ - - -	„ 375
Sembalarai - - -	„ 140
Sembarai - - -	„ 45
Sempattu - - -	„ 297
Sembiyanur - - -	„ 147
Sendamaraikamu - -	„ 228
Sengaraiyur - - -	„ 30
Sendanudikattalai - -	„ 243½
Sengudi - - -	„ 185
„ - - -	„ 207
Seshasamudram - -	„ 123
Settimangalam - - -	„ 227
Sirangarajapuram (2 parts) -	„ 197
„ „ -	„ 199
Sirudaiyur - - -	„ 87
Sirugamur - - -	„ 233
Sirugamani - - -	„ 415
Sirumayangudi - - -	„ 60
Sirumarudur - - -	„ 138
Siruvayalur (3 parts) - -	„ 354
„ „ - -	„ 362
„ „ - -	„ 380
Siruvayalur (2 parts) - -	„ 8
„ „ - -	„ 16
Solagenellur - - -	„ 333
Solamadevi - - -	„ 283
Solanganellur - - -	„ 229
Somarasampettai - -	„ 356
Sonappaganur - - -	„ 224
Soptorishinadanpattararodi -	„ 67
Tachangudi - - -	„ 395
Tachakurichi - - -	„ 38
Tadanvayal - - -	„ 291
Talagudi - - -	„ 148
Tandankarai - - -	„ 130
Tappy - - - -	„ 7
Tattamangalam - - -	„ 179
Tattanur (2 parts) - -	„ 139
„ „ - -	„ 149
Tayanur - - -	„ 348
Tengal - - - -	„ 81
Terukitteruvu (3 parts) -	„ 219
„ „ - -	„ 249
Tillampatti - - -	„ 218
Timmarayasamudram (2 parts) -	„ 244
„ „ -	„ 248
Tinnagonanullur - -	„ 21
Tinnagonamahagenam - -	„ 221
Tirumalaisamudram - -	No. 339
Tirumalainudupattavarthi -	„ 101½
Tirumanamodu - - -	„ 128
Tirunedunkalam - -	„ 271
Tirunellur - - -	„ 440
Tirplatorai - - -	„ 251
„ - - -	„ 409
Tirplatoraikovil - -	„ 404
Tirupponjeri - - -	„ 234
Tiruttandoni - - -	„ 321
Tiruvadasolai - - -	„ 249
Tiruvellavarai - - -	„ 221
Tiruvarambur - - -	„ 285
Tiruvaranganellur - -	„ 262
Tiruvarangapadi - -	„ 216
Tiruvasi - - -	„ 210
Tiruvananellur - - -	„ 243
Tirampalayam - - -	„ 217
Todaiyur - - -	„ 11
Toraiyur (2 parts) - -	„ 136
Torunallur - - -	„ 317
Turudgudi - - -	„ 81
Uyyangondantirumalai - -	„ 33
Uyyagondisvaram (2 parts) -	„ 331
„ „ -	„ 365
Vadgaputtur - - -	„ 364
Vadapanguni - - -	„ 444
Vaittur - - - -	„ 73
Valattiyarkolam - -	„ 300
Valavanur - - -	„ 129
„ - - -	„ 112
Valadi (2 parts) - -	„ 132
Valavandankottai - -	„ 274
Vandalai - - -	„ 14
Varaganeri - - -	„ 318
Varagalur (2 parts) - -	„ 23
„ „ - -	„ 2
Vayatalaikudalur - -	„ 231
Velraygudi - - -	„ 153
Velur - - - -	„ 442
Vellangar - - -	„ 430
Vellanur - - -	„ 43
Vellitirumuttam - -	„ 241
Velankolam - - -	„ 256
„ - - -	„ 257
Vengur - - - -	„ 287
Vendaroyanellur - -	„ 358
Venganudi - - -	„ 184
Venkalachalapuram - -	„ 18
Vettukadu - - -	„ 429
Vidivadangam - - -	„ 311
Virupachipuram - -	„ 323
Viragudi - - -	„ 243
„ - - -	„ 160
Viramudisattinam - -	„ 175
Virandanellur - - -	„ 203
Virapatti - - -	„ 431
Viresvaram - - -	„ 245
Vudaramangalam (2 parts) -	„ 142

Vudaramangalam (2 parts) - No. 159
Vuppur - - - „ 192
Vuttamarkovil (2 parts) - „ 149½
Vuttamarkovil (2 parts) - No. 194½
Vuttamuseri - - - „ 252

5. *Villages in Udiarpaliam Taluk.*

Adanur - - - No. 284
Adikkamuli - - - „ 317
Adinaikurichi - - - „ 30
Agaram - - - „ 34
Ahammadabad - - - „ 140
Aiyur - - - „ 73
Akkeruratadanpettai (2 parts) - „ 319
Alagapuram - - - „ 24
Alagiyamanavalam - - „ 269
Alanduraimyarkattalai - - „ 255
Alayakonanteruvu - - „ 364
Alavay - - - „ 178
Alattiyur - - - „ 28
Allattippallam - - - „ 57
Amandabad - - - „ 138
Amanukontondi - - „ 357
Ambaluvankattalai - - „ 184
Ambapur - - - „ 155
Ambupur - - - „ 177
Ambigapuram - - - „ 328
Aminabad - - - „ 136
Amurdurayankottai - - „ 330
Anandaburam - - - „ 164
Andimadam - - - „ 69
Andepattakkadu - - „ 280
Anganur - - - „ 93
Anilkudichan - - - „ 67
Annangorpettai - - „ 322
Annimangalam - - „ 234
Arakkattalai - - - „ 297
Anamanekurichi - - „ 233
Aranur - - - „ 167
Arasangeri - - - „ 271
Arasunilayittapuram (2 parts) - „ 181
„ „ - „ 283
Arumuli - - - „ 307
Arungal - - - „ 248
Asaviraukudikkadu - - „ 112
Attur - - - „ 146
Ayanur - - - „ 218
Ayippaliem - - - „ 327
Bengaikandapuram - - „ 359
Chandrapalayam - - „ 159
Chettikuli - - - „ 274
Chettetirukkunam - - „ 186
Chimra Nagalur - - „ 150
Chimraputtakkadu - - „ 260
Chinna Valiem - - „ 355
Edaigakurichi - - - „ 75
Edangani - - - „ 320
Edagattangudi - - „ 188
Edukkutta - - - „ 345
Elangacheri - - - „ 128
Elankurichi - - - No. 265
Elayaperumanallur - - „ 374
Elundakuttam - - „ 231
Ellaikadanbat - - - „ 119
Esanai - - - - „ 258
Eragudi - - - „ 216
Eravakudi - - - „ 48
Ghugivadenga Ullore - - „ 382
Gopulingankudikkadu - - „ 148
Gudalur - - - „ 88
Ichankkudu - - - „ 84
Ilappaiyur - - - „ 124
Irugaiyur - - - „ 305
Irungolur - - - „ 343
Irungaroikurichi - - „ 83
Jayankondasolapuram - - „ 349
Kachipperumanattam - - „ 318
„ - - „ 378
Kadambur - - - „ 286
Kadur - - - „ 145
Kallaikkudi - - - „ 249
Kallattur - - - „ 61
Kalmedu - - - „ 132
Kallur - - - „ 246
Kauvantondi - - - „ 348
Kamarasavalli - - - „ 290
Kandaridillam - - - „ 230
Kanubadikurichi - - „ 8
Kanganadanallur - - „ 382
Kangiyampettai - - „ 185
Kangiyanur - - - „ 256
Kankuli - - - „ 72
Karaippakkam - - „ 235
Karaiyavetti - - - „ 215
Karakkurichi - - - „ 306
Karayankurichi - - „ 266
„ - - „ 267
Karikkai - - - „ 17
Karunakaranullur - - „ 139
Karuppilakattalai - - „ 250
Karuppur - - - „ 193
Karuppur Suttamalli and Rangasamutiram - - „ 324
„ „ „ - „ 325
„ „ „ - „ 326
„ „ „ - „ 334
Karuvadacheri - - „ 194
„ - - „ 292
Kattangudikkadu - - „ 156
Kattuppirangiyam - - „ 161
Kattur - - - „ 135
Kavanur - - - „ 154
Kaveripalayam - - - „ 131

Kel and Mel Varappangurichi	No. 268
Kilayur	„ 196
Kidarankandam	„ 346
Kilchengamedu	„ 370
Kilkavattangurichi	„ 212
Kilimangalam	„ 7
Kilkkudiyiruppu	„ 352
Kilvannam	„ 257
Kilnaduvay	„ 46
Kilnattam	„ 179
Kodali	„ 333
Kodukkur, including Mel and Terukudikkadu	„ 76
Kokkudi	„ 201
Kolaiyanur	„ 173
Kollapuram	„ 368
Kommedu	„ 351
Kondaburam	„ 211
Korattankudi	„ 219
Kosavankudikkadu	„ 147
Kottagaram	„ 383
Kovilsimai	„ 285
Kovandkuli	„ 338
Kovil Esanui	„ 222
Kovilkadu	„ 225
Kovilur	„ 276
Kottikal	„ 303
Kovittadampettai	„ 313
Krishnaburam	„ 134
Kulamunikkam	„ 227
Kulattur	„ 244
Kulavadiyan	„ 336
Kulumur	„ 103
Kunamangalam	„ 298
Kundaveli	„ 379
Kurichikulam	„ 113
Kuruvalapparcovil	„ 358
Kuruvadi	„ 295
Kuttangudi	„ 315
Madanakurichi	„ 308
Makammadapuram	„ 137
Mallantankolam (2 parts)	„ 197
Manukkudaiyan	„ 82
Manappatur	„ 102
Mungamedu	„ 238
Mangaidevanallur	„ 362
Mangalam	„ 64
Mannukkuli	„ 152
Marakkalankurichi	„ 63
Marakurichi	„ 98
Marungur	„ 78
Maravattur	„ 117
Mattur	„ 291
Melkavattangurichi	„ 213
Melkudiyerppu	„ 350
Melanikkudi	„ 54
Melnaduvai	„ 70
Melupaylur	„ 199
Melvannam	„ 206
Mel Rayapuram	No. 129
Merchengalmedu	„ 371
Mettuppalayam	„ 386
Meykapputteruva	„ 365
Mudegoudon	„ 237
Muttukkolam	„ 31
Mullikkurichi	„ 29
Mullaiyur	„ 97
Manuiyangarichi	„ 169
Muttapettah	„ 393
Muttuserpamadam	„ 373
Nagamungalam	„ 172
Nagampandal	„ 15
Nakkappadi	„ 122
Nallanayagapuram	„ 104
„	„ 190
Namankunam	„ 106
Namayur	„ 289
Nariyanur	„ 270
Nayakkarpalayam	„ 170
Naikkarpaliam	„ 388
Naraiyur	„ 149
Narasinkapuram	„ 26
Neringikkorai	„ 162
Nettikurichi	„ 47
Ninniyur	„ 120
Olagalundasolan	„ 372
Olaiyur	„ 12
Olagamadur	„ 210
Orattur	„ 158
Ottakkovil	„ 133
„	„ 282
Padanile	„ 52
Paduvettikudikadu	„ 100
Pagalmedu	„ 376
Paiada Nellur	„ 125
Palanainadaburam	„ 105
Palayappadi	„ 232
Palayapudukkaduvettu	„ 321
Pallicondaperumal Covil	„ 380
Pallivadi	„ 375
Palur	„ 312
Panaiansendi	„ 369
Panangur	„ 251
Panganguli	„ 279
Pappakudi	„ 53
Parudur	„ 214
Pasikkulam	„ 26
Pattakurichi	„ 71
Pattangurichi	„ 245
Pattavali	„ 126
Pattuvaratti	„ 389
Payyar	„ 191
Payalam	„ 116
Perangeri	„ 353
Periaya Krishnapuram	„ 44
Periya Kurichi	„ 110
Periya Murai	„ 263
Periya Nagalur	„ 151

21. VIZAGAPATAM DISTRICT.

Including two taluks with an area of 3,081 square miles, and zemindaries extending over 15,855 square miles.

A Manual of the District of VIZAGAPATAM, in the Presidency of Madras. Compiled and edited by Dr. P. Carmichael, M.C.S., Collector, Magistrate, and Agent to the Governor of Fort St. George, in Ganjam, Madras. 1869. With a map and portraits of the wild races. 8vo., cloth.

VIZAGAPATAM AGENCY. Topographical Survey, 1870, '71. *Scale*, 1 *inch to* 1 *mile*. Sheets 7, 8. *See* Ganjam Agency Topographical Survey, page 328.

VIZAGAPATAM and GANJAM AGENCIES Topographical Survey, 1870–71. *See* Ganjam Agency Topographical Survey, page 328; *also* Central Provinces and Vizagapatam Agency Topographical Survey, page 271.

Map of a Survey of the VIZAGAPATAM CIRCAR under the Presidency of Fort St George. Executed during part of the years 1824, '25, '27, '28, and '29, by Capt. C. Snell, 30th Regt. M. N. I., aided by Assist. Surveyor Lieut. Otter, 28th Regt. N I., and Sub-Assistant Surveyors M. Dunnigan, T. Anderson and C. Barnet. Reduced from the original sections of that Survey. *On a scale of* 2 *miles to* 1 *inch*. S. G. O. Madras, 1833. *Size*, 64 *inches by* 58. MS.

VIZAGAPATAM SURVEY. *Scale*, 1 *mile to* 1 *inch*. Field Copy of 13 Sections lettered A to M. Signed J. Montgomerie, Dep. Surveyor-General. October 1830. *Size of each section various, but generally* 39 *inches by* 26. MSS.

Chanashaomarie of the VIZAGAPATAM DISTRICT. 1833. Oblong folio, half-bound. MS.

Map of VIZAGAPATAM DISTRICT. Revenue Survey office, Madras, 1867. *Scale*, 8 *miles to* 1 *inch; size*, 30 *inches by* 25.

Map of a portion of Country in the JEYPORE, KOORPUM, and PALCONDAH Zemindaries dependent on the Vizagapatam District. Surveyed in the seasons 1848-49 by Messrs. R. Howard, C. Snell and J. G. King, Sub-Assistant Surveyors. *Scale*, 2 *miles to* 1 *inch; size*, 25 *inches by* 38. MS.

Map of a portion of the JEYPORE COUNTRY surveyed in the season 1847-48 by Messrs. R. Howard, C. Snell, J. G. King, Sub-Assistant Surveyors. *Scale*, 2 *miles to* 1 *inch ; size*, 26 *inches by* 19. MS.

Plan of a portion of Country of the PANCHIPENTAH ZEMINDARY in the Vizagapatam District. Surveyed in the season 1849-50 by Sub-Assistant Surveyors Messrs. C. Snell and J. G. King, under the superintendence of Mr. R. Howard, Sub-Assistant Surveyor, in temporary charge. *Scale*, 2 *miles to* 1 *inch ; size*, 25 *miles by* 19. 2 *copies*. MSS.

The same on the larger Scale of 1 mile to 1 inch. No title. In two parts ; *size of the southern part*, 15 *inches by* 25; *size of the northern part*, 26 *inches by* 20. MS.

Road Maps.

Sketch Map showing the direction of the proposed Line from CHICACOLE to ITCHAPUR, *viâ* Simtoshaporam, and its connexion with existing communications. October 1855. *Scale*, 4 *miles to* 1 *inch; size*, 18 *inches by* 18. MS. tracing.

Sketch Map showing the direction of the proposed Line from CHICACOLE to CHITTIVALSA, and its connexion with existing communications. *Scale*, 4 *miles to* 1 *inch ; size*, 11 *inches by* 17. MS. tracing.

NATIVE PRINCIPALITIES IN MADRAS.

Travancore and Cochin.

Survey of COCHIN and its Environs, by order of Government, to ascertain the Boundaries of the British Jurisdiction at that place in 1813. By Thomas Arthur, Captain of Engineers. *No scale. Size*, 39 *inches by* 26. MS.

The TRAVANCORE LINES, as connected with the Dutch. No title. *Scale*, $3\frac{1}{2}$ *inches to* 1 *mile ; size*, 21 *inches by* 27. MS.

Map of the Provinces of TRAVANCORE and COCHIN, with that portion of Malabar, South of the Ponany River. Reduced from the original map of that Survey, executed under the immediate superintendence of Captains P. E. Conner, and B. S. Ward, in the years 1817, '18, '19, and '20. S. G. O. Madras, 1st Sept. 1826. *Scale*, 4 *miles to* 1 *inch ; size* 52 *inches by* 30. MS.

Skeleton Map of the PROVINCES of TRAVANCORE and COCHIN, with that portion of Malabar South of the Ponany River exhibiting the positions and names of the villages in reference to detailed map accompanying (*i.e.* the foregoing). *Scale*, 4 *miles to* 1 *inch ; size*, 52 *inches by* 30. MS.

Geographical and Statistical Memoir of the SURVEY of the TRAVANCORE and COCHIN STATES, executed under the superintendence of Lieuts. Ward and Conner, from July 1816 to the end of the year 1821. In 7 vols. folio, half-bound in 3 vols MSS.

Map of the COCHIN STATES, lithographed from the Grand Trigonometrical Map, surveyed (by Captains P. E. Connor and B. S. Ward) in the years 1818, '19, '20. Government Lithographic Press, Madras, 1871. *Scale*, 1 *mile to* 1 *inch ; on* 16 *sheets ; size of each*, 27 *inches by* 20.

Map of the CENTRAL and NORTHERN PORTIONS of TRAVANCORE, lithographed from the Grand Trigonometrical Map surveyed (by Captains P. E. Connor and B. S. Ward), in the years '1817, '18, 19. Government Lithographic Press, Madras, 1871. *Scale,* 1 *mile to* 1 *inch; on* 25 *sheets; size of each,* 27 *inches by* 20.

Pudukota.

Under the supervision of the Collector of Trichinopoly. (Aitchison's Treaties, revised by Talbot, vol. 5, p. 393.)

See Madura District, page 357.

—— General Map of Southern Districts, pages 319, 320.

—— Indian Atlas, sheet 80.

—— Gazetteer of Southern India, page 88.

Banaganpalli.

Within the District of Karnul.

See Kurnool District Map, page 353; and Aitchison's Treaties, revised by Talbot, vol. 5, page 397.

Sundoor.

Map of the JAGHEER of SOONDOOR, in the Collectorate of Ballary. Copied from the original Survey, Chief Engineer's Office, Surveyor-General's Department, Fort St. George. 21st January 1842. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 28. MS.

Sketch of the MARATTA DISTRICT of SOONDOOR, exhibiting its situation in regard to the Company's Ceded Districts, and the different Routes to Soondoor, from Darwar and Savanoor in the Peshwa's territory, through that of the Company and of the Rajah of Mysore. Extracted from the Surveys, 24th Sept. 1816. *Scale,* 12 *miles to* 1 *inch; size,* 20 *inches by* 18. MS.

See Talbot's edition of Aitchison, vol. 5, page 401.

Jaipur Agency.

GANJAM AGENCY Topographical Survey, 1870, '71. *See* page 328.

GANJAM and ORISSA Topographical Survey. *See* page 328.

VIZAGAPATAM MANUAL, &c., &c. *See* page 413.

III. BOMBAY PRESIDENCY.

Including the City and Island of Bombay, and three Divisions, viz., the Northern Division, the Southern Division, and Sinde ; also several Native Principalities.

General Map.

A DELINEATION of the COUNTRY surveyed in the years 1809 and 1810 by the Department of the Surveyor General, Bombay. Signed Monier Williams, Captain, Surveyor General. Drawn by James Cruikshank, Lieut. 3rd Regt. N.I., one of the Surveyors employed. *Scale, 2 miles to 1 inch; on 7 sheets; size of each, 51 inches by 30.* MS.

*** Contains the following places of note on the borders: Nuggur Parkur, Deesa, and Daunta, on the north; Baroda, Baroche, and Soorut, on the east and south; and the Runn of Cutch on the west.

Topographical Notes on parts of the WESTERN FRONTIER of INDIA (SINDE and GUZERAT) with a descriptive Index to the Map of the country examined in the years 1809 and '10 by the Department of the Surveyor-General, Bombay. March 1813. Folio, half-bound. MS.

Map of a STRIP of COUNTRY between Damaun on the GULF of CAMBAY on the south, and the parallel of 22° N. Lat., on the north, by Capt. M. Williams, Surat, Aug. 27th 1817. *Scale, 4 miles to 1 inch; size, 33 inches by 19.* No title. MS.

Map of the WESTERN PART of the CONTINENT of INDIA, showing the territories of the Bombay Presidency and the States dependent on, or in alliance with, that government. Compiled from the latest surveys, in the Deputy Surveyor General's Office, July 1828. J. Jopp, Capt. Deputy Surveyor General. Lithographed in the Quartermaster-General's Office, Bombay. March 1838. *Scale, 10 miles to 1 inch; size, 75 inches by 55.*

*** With a list and description of the made roads and those under construction within the territories of the Bombay Presidency in the year 1841–42. Prepared in the Chief Engineer's Office, Bombay, 22nd February 1842, Lt.-Col. Dickenson, Chief Engineer. The roads are drawn on the map.

BOMBAY PRESIDENCY, Degree Sheets, signed J. Jopp, Captain, Deputy Surveyor General, Bombay. 1828 to 1833. *Scale, 4 miles to 1 inch; size of each, 22 inches by 20.*

From Dharwar to Bombay:—Sheets Nos. 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18.

In Cutch and North Guzerat:—Sheets Nos. 38, 39, 40, 47, 48, 49, 50, 51, 52. MSS.

Route Map of the BOMBAY PRESIDENCY, including Scinde, surveyed and collected by the Quartermaster-General's Department, Bombay Army. Bombay, 12th March 1846. With a polymetrical table of distances in Scind and Beloochistan, and the frontier stations of the northern division; also another polymetrical table showing the distances between the civil and military stations, and large towns of the Bombay Presidency. *Scale, 20 miles to 1 inch; on 3 sheets; size of each, 19 inches by 35.* MS.

Tables of ROUTES and STAGES through the Territories under the Presidency of Bombay, chiefly compiled from the documents in the office of the Quartermaster-General of the Bombay Army. J. Holland, Lieut.-Colonel, Quartermaster-General. Bombay, 1851. Quarto, half-bound.

Route Map of the BOMBAY PRESIDENCY, surveyed and collected by the Quartermaster-General's Department, Bengal Army. Bombay, April 1852. With a polymetrical table showing the distances between the civil and military stations and large towns of the Bombay Presidency. *Scale*, 20 *miles to* 1 *inch; mounted, size*, 57 *inches by* 35.

Also, the northern and central sheets of the original drawing. MS.

Also, a later edition, dated 22nd Sept. 1857.

Map of TRUNK LINES proposed as the basis of future operations in the construction of Roads in the BOMBAY PRESIDENCY. In Bombay Public Works Letter, No. 20, of 1856, page 21. *Size*, 28 *inches by* 36. MS.

Map of ROADS in the BOMBAY PRESIDENCY, copied and lithographed in the office of the Chief Engineer at the Presidency. Bombay, 16th March 1860. *Scale*, 15 *miles to* 1 *inch; on* 6 *sheets; size of each*, 20 *inches by* 28.

Map of the ROADS in the BOMBAY PRESIDENCY. Lithographed for the Bombay Gazette Almanack 1861. With a notice of the navigable rivers. *Scale*, 15 *miles to* 1 *inch; size*, 49 *inches by* 23.

Map of ROADS in the BOMBAY PRESIDENCY, including Sind and Rajpootana. Compiled, copied and lithographed in the office of the Chief Engineer at the Presidency. Bombay, May 1863. *Scale*, 16 *miles to* 1 *inch; on* 8 *sheets; size of each*, 20 *inches by* 28.

Another copy, dated October 1865, mounted in a case.

Maps of COLLECTORATES in the BOMBAY PRESIDENCY. Part 4 of the Census of the Bombay Presidency. 1872. Fcap. folio, boards.

Preliminary Map of the BOMBAY PRESIDENCY. *Scale*, 32 *miles to* 1 *inch*. Compiled from the latest materials and from information furnished by the Bombay Revenue Survey and Settlement Department, in the Office of the Surveyor-General of India. Calcutta, 1873. *Size*, 40 *inches by* 27.

Military Maps.

Disposition Map of the BOMBAY ARMY corrected to 1st April 1869. *Scale*, 32 *miles to* 1 *inch; size*, 38 *inches by* 26.

The same corrected to 1st June 1870.

Another to 1st Jan. 1873.

Sketch Map (prepared for) showing the DISPOSITION of the BOMBAY ARMY, compiled in the office of the Quartermaster-General of the Army. *Scale*, 32 *miles to* 1 *inch; size*, 41 *inches by* 27. Blank copy.

Disposition Map of the BOMBAY ARMY corrected to March 1874. Q. M. General's Office, Poona. *Scale*, 32 *miles to* 1 *inch: size*, 36 *inches by* 27.

Road Maps.

An original drawing including HYDERABAD, BEDER, NILDROOG, GOOLBURGAH, BEEJAPOOR, POONAH, AHMEDNUGGUR MALLIGAUM, &c. No title or scale. *Size,* 18 *inches by* 30. MS.

Map showing the PROPOSED LINE of ROAD between BHEWNDY (Poonah District) and SURAT. Asst. Supt. Roads Office. Camp, Bassein, 19th November 1840. *Scale,* 4 *miles to* 1 *inch ; size,* 40 *inches by* 13.

Plan of the Road from Kulladghee to Bagulkot (Belgaum District). Dated, Executive Engineer's Office, Belgaum, December 28th 1840. *Scale,* 2 *inches to* 1 *mile ; size,* 13 *inches by* 35.

Sketch Map showing LINES of ROAD from TANKARIA BUNDER (Surat and Broach sub-district) to RUTLAM (Native State, Indore Agency), &c. Surveyed by Lieut. Haig, Actg. Depy. Asst. Quartermaster-General, N.D.A. *Scale,* 5 *miles to* 1 *inch ; size,* 37 *inches by* 11.

Plan of the NEW LINE of ROAD (from Belgaum) to KULLADGHEE (Belgaum District). Dated, Belgaum, 7th January 1841. *Scale,* 1½ *miles to* 1 *inch ; size,* 48 *inches by* 17.

Tracing from Lt. Curtis' PLAN of the ROAD between POONA and SHOLAPOOR. Dated, Poona, 13th August 1841. *Scale,* 3½ *miles to* 1 *inch ; size,* 6 *inches by* 47.

Survey of the DAWK ROUTE between PANWELL (Poonah District) and VINGORLA, (Rutnagherry District). Quartermaster-General's Office, Poonah, 9th October 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 60 *inches by* 11.

Bombay Roads, 1841. Nos. 1 to 7.

No. 1. Sketch of the ROAD between SION and TROMBAY (Tannah District). Bombay, 1841. *Scale,* 900 *yards to* 1 *inch ; size,* 13 *inches by* 8.

No. 2. Sketch showing the PRESENT STATE of the ROAD from PANWELL to OORUN (Tannah District). Bombay, 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 13 *inches by* 8.

No. 3. Sketch showing the PRESENT STATE of the ROAD from NAGOTNA to PENN (Tannah District). 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 13 *inches by* 8.

No. 4. Sketch showing the PRESENT STATE of the ROAD from CHOWK to KALLIAN, and from MOORBAR to SHAPOOR (Tannah District). Bombay, 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 13 *inches by* 8.

No. 5. Sketch of the ROAD from CHANDOR to NASSIK, in the Nassik Sub-collectorate (Ahmednuggur District). Bombay, 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 3 *inches by* 16.

No. 6. Sketch of the PROPOSED LINE of ROAD from TANNAH to PANWELL, distance by this survey is 20 m. 1 f. 182 yds. Bombay, 1841. *Scale,* 900 *yards to* 1 *inch, on* 3 *sheets ; size of each,* 13 *inches by* 8.

No. 7. Sketch of the ROAD between BELGAUM and VINGORLA (Rutnagherry District). Chief Engineer's Office, Bombay, 5th January 1841. *Scale,* 4 *miles to* 1 *inch ; size,* 16 *inches by* 13.

Skeleton Map of the COUNTRY between DHARWAR and SURAT, showing the roads and distinguishing the Metalled, Morrum, and Cleared Roads. Signed, N. C. Peat, Major, Supdt. of Roads, 1842. No title or scale. *Size, 25 inches by* 13.

Sketch of the ROAD from BELGAUM to DHARWAR. Govt. Litho. Press, Bombay, 1842. *Scale,* 1½ *miles to* 1 *inch; size,* 35 *inches by* 13.

Sketch of the AGRA LINE of ROAD, within the limits of this Presidency. Bombay, Military Board Office, 15th January 1846. *Scale,* 4 *miles to* 1 *inch; size,* 72 *inches by* 15. MSS.

Longitudinal Section of proposed LINE between KULLUS and KESSERWADEE. No. 4. *Horizontal scale,* 200 *feet to* 1 *inch; size,* 7 *inches by* 160. MS. In Bombay Public, No. 50, of 1846.

Plans and Sections of the PHOONDA GHAT (between Viziadroog and Kolapore), showing the work performed from the 1st January to 30th November 1848. Signed, E. Del Hoste, on special duty. Title sheet and 3 mounted plans. *Size of each, about* 24 *inches by* 19. MSS.

PROJECTED IMPROVEMENT of the COMMUNICATION between the COAST and the INTERIOR. Road over the Phoonda Ghat to Kolapore and Belgaum. 14 plans and sketches accompanying India Public Letter, No. 45, dated 2nd September 1848. Fcap., stitched in a cover. MSS.

Plan of the AGRA and BOMBAY ROAD, with the Country extending 30 miles to the east and west of it, and exhibiting the Staging Bungalows, Post Offices, &c.; from Agra to the Narbudda River. Compiled in the Surveyor-General's Office from available materials. Calcutta, 8th December 1851. *Scale,* 4 *miles to* 1 *inch; size,* 114 *inches by* 26.

Skeleton of the BOMBAY PRESIDENCY showing the proposed Trunk Roads in the Deccan and South Mahratta Country (also Capt. Graham's proposed railway from Poonah to the River Kistna). No date or scale. No. 1. *Size,* 14 *inches by* 11.

Map showing the PROJECTED BARODA and TANKARIA RAILWAY, the alternative line to Ambheta, and the Proposed Line from Surat to Baroda, and thence to Indore and Agra, with the Branch Line to Ahmedabad. (Also the proposed Trunk Roads between Poonah and Mhow, and Capt. Graham's proposed railway to Nagpore.) No. 3. No date or scale. *Size,* 11 *inches by* 15.

Sketch showing the BOMBAY PORTION of the HOOBLEE (Dharwar District), and Sedashegurh (North Canara District) Road. Central Office D. P. W. Chepauk, June 1862. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 36. MS.

Map showing the Sind, B. B. and C. I., and G. I. P. RAILWAYS. (Zincographed at the Superintendent Engineer's Office, P. W. Bombay.) August 30th 1866. *Scale,* 32 *miles to* 1 *inch; size,* 25 *inches by* 33.

An Atlas of PLANS of CANTONMENTS and PLANS of the COUNTRY 10 miles round CANTONMENTS in the BOMBAY PRESIDENCY. A series of Drawings by the Quartermaster-General's Department, Bombay Army. (No date, about 1850.) In 1 vol. folio, half-bound. MSS.

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2. Plan of the Poona Cantonments. *Scale,* 8 *inches to* 1 *mile.*

3. Plan of the Kirkee Cantonment. *Scale*, 8 *inches to* 1 *mile*.
4. Plan of Poona Station, with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
5. Plan of the Ahmednuggur Cantonment. *Scale*, 8 *inches to* 1 *mile*.
6. Plan of Ahmednuggur Station, with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
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20. Plan of Sholapoor Station, with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
21. Sketch of Hill-fort of Asseerghur. *Scale*, 8 *inches to* 1 *mile*.
22. Plan of Asseerghur to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
23. Plan of the Cantonment of Ahmedabad, &c. *Scale*, 8 *inches to* 1 *mile*.
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27. Plan of the Surat Cantonment. *Scale*, 8 *inches to* 1 *mile*.
28. Plan of Surat Station, with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
29. Plan of the Cantonment at Baroda, &c. *Scale*, 8 *inches to* 1 *mile*.
30. Sketch of the Camp near Baroda and surrounding country, &c. *Scale*, 1 *mile to* 1 *inch*.
31. Sketch of the Hursole Cantonment. *Scale*, 8 *inches to* 1 *mile*.
32. Sketch of the Camp of Hursole and country in the vicinity within a radius of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
33. Plan of the Rajcote Cantonment. *Scale*, 8 *inches to* 1 *mile*.
34. Plan of the Camp of Rajcote and country in the vicinity within a radius of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
35. Plan of the Bhooj Cantonment. *Scale*, 8 *inches to* 1 *mile*.
36. Plan of Bhooj Station with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.
37. Plan of the Cantonment at Deesa. No scale.
38. Plan of Deesa Station with sketch of adjoining country to an extent of 10 miles. *Scale*, 1 *mile to* 1 *inch*.

BOMBAY REVENUE SURVEY. Selected series of Maps and Records exemplifying the Operations of the Bombay Revenue Survey in (I.) Poona and Nasik, (II.) the South Maratha Country, (III.) Ratnagiri, and (IV.) Gujrat. (Forwarded from Bombay with No. 3 of 1873, Revenue Dept. Geographical.)

I.

Statement of Records connected with the Measurement, Classification, and Assessment of the Village of Borsur, Taluka Sholapur. W. Waddington, Lieut.-Colonel, Superintendent Revenue Survey and Assessment, Poona and Nasik.

Relating to the Measurement.

1. Rough Field Book.
2. Fair Field Book.
3. Rough Map of Village.
4. Fair Map of Village.
5. Traverse Plot of Village.
6. Extract from Table for computing areas.

Relating to Classification.

7. Classification Book.
8. Statement of Rates.
9. Extract from Table for computing Assessment.

Relating to Settlement.

10. Land Register.
11. Diagram.
12. Report.
13. Map of Sholapur Taluka to accompany report.
14. Map of Sholapur Taluka to scale of two miles to the inch.

II.

Papers exemplifying the proceedings of the Revenue Survey and Assessment for the Southern Division of Bombay Presidency, with a Memorandum relating to them, by R. C. Beynon, Deputy Supt. Rev. Survey, S. M. C. (South Maratha Country).

1. Measurer's Rough Field Book.
2. Measurer's Fair Field Book.
3. Measurer's original Village Map. (The map for the classers is a copy of this.)
4. Fair Village Map.
5. Multiplication Tables in the vernacular.
6. Classer's Field Book.
7. Diagram showing past revenue history of a Talooka.
8. Talooka Map.
9. Official correspondence relating to the system of Revenue Survey and Assessment and its administration in the Bombay Presidency. With proceedings of the Bombay Legislative Council and the Debates on the introduction of the Act I. of 1865. Containing also the Revised Survey Rules, Act I. of 1865, Act IV. of 1868, and selections from the official correspondence connected with the "Joint Report." Printed by order of the Government of Bombay, 1869. In 1 vol. 8vo., vi. and 268 pages, stiff covers.

*** This volume is expressly mentioned in Mr. Beynon's Memorandum, as containing a full description of the object and mode of conducting the Survey and Classification of Soils on the Bombay system.



III.

Papers exemplifying the Proceedings of the Revenue Survey and Assessment of the Ratnagiri Collectorate, Bombay Presidency, with a List and Descriptive Memoir by J. Gibson, Deputy Supt. Ratnagiri Survey.

1. Tipun Book (or memorandum) of the Village Gonauli in Gohagar Talooka of the Ratnagiri Collectorate.
2. Field Book of the Village Gonauli.
3. Classification Book of the Village Gonauli.
4. Wurkus Falnee Book of the Village Gonauli.
5. Pot Wurkus Falnee Book of the Village Gonauli.
6. Map of the Village of Gonauli in the Gohagarh Talook. *Scale,* 660 *feet or* 1 *furlong to* 1 *inch; size,* 11 *inches by* 18.
7. Diagram exhibiting the extent of Government land annually under cultivation for the last 20 years in 77 villages of the Lanji Petta, and the net revenue. Poona, 1873. *Size,* 15 *inches by* 11.
8. Map of the Lanji Petta of the Rajapur Talook in the Ratnagiri Zilla (in English and Maratti). Poona, 1872. *Scale,* 2 *miles to* 1 *inch; size,* 14 *inches by* 19.

IV.

Papers exemplifying the Proceedings of the Revenue Survey and Assessment in the Northern Division of the Bombay Presidency, with a Memorandum relating to them by Lieut.-Colonel C. J. Prescott, Superintendent Revenue Survey and Assessment, Gujrat, No. 397 *of the* 3rd *March* 1873.

1. Map of the village Varalgad, Mandvee Purgunna, Surat Collectorate. 1863. Printed at Surat in December 1872. *Scale,* 10 *goontas to* 1 *inch; size,* 24 *inches by* 18.

   *** This map, marked A, is the "rucha" or rough copy.
2. The same, marked B.

   *** This copy is the "pucka," or fair map, made from A. after revision during the monsoon.
3. Map of the Unkleshwur Purgunna, Broach Collectorate of the Province of Guzerat. 1872. *Scale,* 2 *miles to* 1 *inch; size,* 14 *inches by* 20.

   *** This is a specimen of a Taluka map, like those attached to Settlement Reports of a taluka. Marked C.
4. Map of the Broach Collectorate, Guzerat Province; compiled from village maps of the Guzerat Revenue Survey. 1872. *Scale,* 2 *miles to* 1 *inch; size,* 30 *inches by* 29.

   *** Although useful in practice, this map does not pretend to scientific accuracy. It is based on magnetic instead of true meridians. Marked D.
5. Rough Field Book, of village Varalgad (see Nos. 1, 2).

   *** Closely translated from Gujrati into English. Marked E.
6. Fair Field Book or Measurer's Book of Village Varalgad. Marked F.
7. Calculation Book (of Areas), Village Varalgad. Marked G.
8. Specimen Page of a Table Book for calculating areas, translated from Gujrati into English. Marked H.
9. Classer's or Land Valuer's Book, Village Varalgad. Marked I.

Bombay Revenue Survey. The following Specimens of the Surveys were received in May 1872, *through Sir Bartle Frere.*

1. Map of the KHAIRA COLLECTORATE, Guzerat Province. Compiled and reduced from the original village maps of the Revenue Survey Department, Major C. J. Prescott, Superintendent. Poona, no date. *Scale,* 4 *miles to* 1 *inch; size,* 21 *inches by* 19.

2. Map of the PARDEE PURGUNNAH, Surat Collectorate of the Province of Guzerat. 1870. *Scale,* 2 *miles to* 1 *inch; size,* 15 *inches by* 12.

3. Map of the ERRUNDOLE TALOOKA, Khandesh Collectorate. (In English and native characters.) 1868. No date. *Scale,* 2 *miles to* 1 *inch; size,* 20 *inches by* 16.

4. Map of the INDAPOOR TALOOK of the POONA ZILLA. (In English and native characters.) No date *Scale,* 2 *miles to* 1 *inch; size,* 18 *inches by* 23.

5. Map of the SHOLAPORE TALOOKA of the SHOLAPORE ZILLA. Poona, 1871. (In English and native characters.) *Scale,* 2 *miles to* 1 *inch; size,* 27 *inches by* 33.

6. Map of the NUSSEERABAD TALOOKA, Khandesh Collectorate. 1868. (In English and native characters.) *Scale,* 2 *miles to* 1 *inch; size,* 18 *inches by* 22.

7. Map of the OOMRAWUTTEE TALUK, East Berar. No date. *Scale,* 3 *miles to* 1 *inch; size,* 17 *inches by* 20.

8. Map of the WAEE TALOOKA of the Sattara Collectorate. *Scale,* 2 *miles to* 1 *inch; size,* 18 *inches by* 24.

9. Map of ISRAMA, a village of the BORSUD TALOOKA, Kaira Collectorate. In Guzerati characters. *Size,* 14 *inches by* 16.

10. Map of the VILLAGE of MOJULE, in Sholapoor Collectorate. Poona, 1870. (In Mahratti.) *Size,* 26 *inches by* 21.

11. Map of the VILLAGE of KHAMBLOAN, in Baglan Talooka, Nassick Collectorate. (In native characters.) *Size,* 21 *inches by* 16.

12. Map of the VILLAGE of DAROODPOOR in Zewassa Talooka, Ahmednuggur Collectorate. (In native characters.) *Size,* 17 *inches by* 11.

13. Map of the VILLAGE of JULGAUM in Khandeish. (In native characters.) *Size,* 31 *inches by* 32.

14. Map of the VILLAGE of DAHSWAR in Khandeish. In two divisions. (In native characters.) *On* 4 *sheets; size of each,* 24 *inches by* 20.

15. Map of the VILLAGE of WURWUND in Mehkur Talooka, Berar. (In native characters.) *Size,* 24 *inches by* 19.

16. Map of the INAM VILLAGE of KINGUL in Sattara. Poona, 1871. (In native characters.) *Size,* 32 *inches by* 26.

17, 18, 19, 20. Specimen sheets of the MUNICIPAL SURVEY of BOMBAY. *Sheets,* 11 *and* 12, *on the scale of* 100 *feet to* 1 *inch; and sheets* 87 *and* 104, *on the scale of* 40 *feet to* 1 *inch; size of each sheet,* 40 *inches by* 27.

21. Specimen of the Map of the CITY of SURAT. M. Sheet, No. 1. *Scale*, 33 *feet to* 1 *inch ; size*, 33 *inches by* 47.

22. Specimen of the BROACH CITY SURVEY. Map A., No. 1. *Scale*, 33 *feet to* 1 *inch ; size*, 35 *inches by* 36.

I. THE CITY AND ISLAND OF BOMBAY.

A LETTER addressed to the Committee of Correspondence of the EAST INDIA COMPANY, by Captain James Funck, Ex-commandant of Artillery and Chief Engineer, Bombay. Dated London, 12th February 1760. Followed by a Sketch of Surveys and Works executed by Capt. Funck in Malabar and Bombay; a short representation of the Fortified Works round Bombay as they were found and altered by Capt. Funck, and his scheme for their completion; with explanations of three Plans delivered with the letter, but now lost. Large folio, 20 pages, unbound. MS.

Revenue Survey of COLABAH and OLD WOMAN'S ISLAND. 1813. *Scale*, 100 *feet to* 1 *inch; size*, 28 *inches by* 118. MS.

Plan of the REVENUE SURVEY of the GORYE LANDS in the Dharavee District, on the Island of Salsette. 1816. By Wm. A. Tate, Ensign, Engineers, Assistant to the Revenue Surveyor. *Scale*, 400 *feet to* 1 *inch; size*, 51 *inches by* 30. MS.

Plan of the REVENUE SURVEY of the DHARAVEE DISTRICT on the Island of Salsette. 1817. By Wm. A. Tate, Ensign, Engineers, Assistant to the Revenue Surveyor. *Scale*, 800 *feet to* 1 *inch; size*, 62 *inches by* 30. MS.

Sketch of the ISLANDS of BOMBAY and COLABAH, showing the position of all the principal military buildings, out-posts, &c. Signed, W. A. Tate. Captain, Engineers, Revenue Surveyor. Bombay, 16th February 1826. *Scale*, 2,000 *feet to* 1 *inch; size*, 31 *inches by* 19. MS.

Plan of the ISLANDS of BOMBAY and COLABA. 1827. Inscribed and presented to the Hon. East India Company. Reduced from the Revenue Survey, which was executed under the orders of Government, in succession by Major T. Dickinson and Capt. W. A. Tate. By W. A. Tate, Captain of Engineers, Bombay Army, London, December 31st 1829. *Scale*, 1,200 *feet to* 1 *inch; size*, 56 *inches by* 34. MS.

Plan of the ISLANDS of BOMBAY and SALSETTE, reduced from the Revenue Survey completed in the year 1827. By Captain W. A. Tate, Engineers, London, December, 1831. *Scale*, 2,400 *feet to* 1 *inch; size*, 77 *inches by* 40. MS.

The ISLAND of BOMBAY, reduced from the original Survey, undertaken by order of Government by Captain Thomas Dickinson, with the assistance of Captain Remon, Lieuts. Jopp and Tate of the Corps of Engineers. In the years 1812–16. Lithographed and printed under the direction of Major T. B. Jervis, F.R.S., London, 31st January 1843. *Scale*, 1,200 *yards to* 1 *inch; size*, 21 *inches by* 15.

Also a drawing of the same, without title. *Size*, 30 *inches by* 25. MS.

Plan of GROUND between MAZAGAON and the SOUTH END of the FORT, showing the Railway Terminus and Wharfage Boat Quays and Building Ground to be reclaimed. No date. *Scale,* 600 *feet to* 1 *inch; size,* 32 *inches by* 58. (With an overlap.)

Map of the ISLAND of BOMBAY. Signed, J. Trubshowe, Architectural Secretary, Rampart Removal Committee, Esplanade, Bombay, 13th May 1864. *Scale,* 600 *feet to* 1 *inch; size,* 39 *inches by* 54. Marked A.
*** See Bombay Fort for B.

Map of the ISLAND of BOMBAY. Completed to 1866. *Scale,* 600 *feet to* 1 *inch; on* 8 *sheets; size of each,* 28 *inches by* 20.

Plans of the PERMANENT BARRACKS at COLABA, BOMBAY, 1865. In a cover:—
1. Map of 20 miles round Bombay.
2. Plan of Colaba.
3. Infantry barracks with details, on 3 sheets.

Bombay Revenue Survey.

Map of the ISLAND of BOMBAY, constructed from Surveys made in the years 1865–71, under the superintendence of Lieut.-Colonel G. A. Laughton, F.R.G.S., Bombay Staff Corps, and based upon triangulations executed under the orders of Captains Nasmyth and Haig, Royal Engineers, in the years 1865, '66. *Scales, Nos.* 1 *to* 68, 110 *to* 116, 165 *to* 169, 205 *to* 221, *are* 100 *feet to* 1 *inch; the remainder are* 40 *feet to* 1 *inch. The complete map, including both scales, is on* 221 *sheets; size of each sheet,* 40 *inches by* 27.

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130. *Not to be published, below H. W.*
131. „ „
132. „ „
133. „ „
134. „ „
135. Mandvee.
136. Market and Mandvee.
137. Bhooteshwar.
138. „
139. Girgaum.
140. „
141. Girgaum and Back Bay reclamation.
142. Back Bay reclamation and Chowpatty.
143. *Not to be published, below H. W.*
144. Back Bay reclamation.
145. „ „ and Sonapoor.
146. Sonapoor.
147. Dhobee Tulao and Girgaum.
148. Market and Dhobee Tulao.
149. Market.
150. Mandvee and Esplanade.
151. „ „
152. Government reclamation.
153. „ „
154. „ „
155. Moody Bay reclamation.
156. „ „
157. „ „
158. Boree Bunder Terminus.
159. Esplanade and Boree Bunder Terminus.
160. Market and Esplanade.
161. Dhobee Tulao and Market.
162. Sonapoor and Dhobee Tulao.
163. Sonapoor.
164. Back Bay reclamation.
165. Walkeshwar.
166. „
167. „
168. Malabar Point.
169. „ „
170. *Not to be published, below W.H.*
171. Back Bay reclamation.
172. Marine lines and Back Bay reclamation.
173. Marine lines and Esplanade.
174. Esplanade.
175. Esplanade and Boree Bunder Terminus.
176. Fort George.
177. Moody Bay reclamation.
178. „ „ „
179. „ „ „
180. Fort (north).
181. Fort and Esplanade.
182. Esplanade.
183. Marine lines and Esplanade.
184. Back Bay reclamation.
185. *Not to be published, below H.W.*
186. *Not to be published, below H.W.*
187. Back Bay reclamation.
188. Esplanade.
189. Fort (west) and Esplanade.
190. Fort (west).
191. Fort (south).
192.
193.
194.
195. Fort (south) and Esplanade.
196. Esplanade.
197. Back Bay reclamation.
198. *Not to be published, below H. W.*
199. „ „ „
200. Back Bay reclamation.
201. Fort (south) and Esplanade.
202. „ „
203. Fort (south).
204. „ „
205. Lower Colaba and Cotton Green.
206. Lower Colaba.

207. *Not to be published, below H. W.*
208. " " "
209.
210. Upper Colaba.
211. Middle Colaba.
212. " "
213. Middle Colaba.
214. Upper Colaba.
215. " "
216. *Not to be published, below H. W.*
217. " " "
218. " " "
219. Foreshore, Lower Colaba.
220. *Not to be published, below H. W.*
221. " " "

Index Map for the PUBLICATION of the BOMBAY REVENUE SURVEY SHEETS (of Bombay Island). *Scale,* 3,600 *feet to* 1 *inch; size,* 20 *inches by* 12.

Map of the ISLAND of BOMBAY, reduced from Surveys undertaken in the years 1865–71, under the superintendence of Lieut.-Colonel G. A. Laughton, F.R.G.S., Bombay Staff Corps, and based upon triangulations executed under the orders of Captains Nasmyth and Haig, Royal Engineers, in the years 1865, '66. Reduced and photozincographed at the Government Office, Poona, 1873. *Scale,* 400 *feet to* 1 *inch; in* 2 *parts, each in* 6 *sheets; size of each,* 6½ *feet by* 6½ *feet.*

Map of the ISLAND of BOMBAY constructed on reductions from Colonel Laughton's map of 1872, with alterations up to July 1874. *Scale,* 1,200 *feet to* 1 *inch; on* 2 *sheets; size of each,* 28 *inches by* 33.

Map of the Southern Portion of the ISLAND of BOMBAY reduced from Colonel Laughton's General Map of 1872, with subsequent alterations. 1873. *Scale,* 800 *feet to* 1 *inch; size,* 48 *inches by* 32.

Five Photographic Views of BOMBAY DOCKS.

One Photograph of the GOVERNMENT OFFICES, BOMBAY.

BOMBAY NATIVE HOSPITAL. This engraving of an important Charitable Institution founded and constructed at the joint expense of Sir Jamsetjee Jeejeebhoy and the East India Company is respectfully dedicated to Sir Jamsetjee Jeejeebhoy by * * * W. J. Huggins. *Size,* 13 *inches by* 20.

MECHANICS' CLUB HOUSE, BOMBAY. Plan and elevation. *See* Bombay Gazette, 5th January 1858. *Size,* 22 *inches by* 17.

Ground Plan of ST. THOMAS' CATHEDRAL, showing the public streets around it as well as the boundary of the area occupied by graves and inscription slabs. Bombay, 1857. *Size,* 29 *inches by* 17. MS.

Plan showing site of proposed HOTEL, BOMBAY. 1864. With copy of Despatch.

IMPERIAL MUSEUM, BOMBAY, 1867:—

1. Front elevation. *Size,* 32 *inches by* 54.
2. Longitudinal section. *Size,* 36 *inches by* 50. On tracing cloth. MSS.

JAMSETJEE JEEJEEBHOY HOSPITAL, BOMBAY.

NATIVE GENERAL HOSPITAL, BOMBAY. Photographic views, mounted on cardboard. *Size,* 10 *inches by* 13.

Bombay Fort.

Plan of BOMBAY CASTLE, and the OLD and NEW DOCKS, comprehending Hornby Battery, Bunder Pier, and the intermediate buildings. *Scale,* 40 *feet to* 1 *inch; size,* 68 *inches by* 30. MS.

Plan of the FORTRESS of BOMBAY. 1827. Reduced from the Revenue Survey executed in the years 1812, '13, under the orders of Government, by Major T. Dickinson, with alterations to 1827 by Capt. W. A. Tate, Engineers, Bombay Army. London, 1829. *Scale,* 200 *feet to* 1 *inch; size,* 29 *inches by* 52. Mounted to fold. MS.

Plan of the FORT and part of the ISLAND of BOMBAY. No date. *Scale,* 1,200 *feet to* 1 *inch; size,* 27 *inches by* 19.

Map of the FORT of BOMBAY, completed to 1855. By H. Conybeare, C.E., F.G.S. *Scale,* 200 *feet to* 1 *inch; size,* 30 *inches by* 51.

Map of the NATIVE TOWN of BOMBAY, completed to 1855. By H. Conybeare, C.E., F.G.S. *Scale,* 300 *feet to* 1 *inch; size,* 37 *inches by* 43.

Plan of the FORT of BOMBAY and OLD WOMAN'S ISLAND. Referred in the letter from the Government of Bombay, No. 37, dated 10th Dec. 1861. No title or scale.

Plan of the FORT and ESPLANADE of BOMBAY, to accompany the Report of the Committee appointed by Government letter, No. 192A., September 5th 1861. *Scale,* 600 *feet to* 1 *inch; size,* 19 *inches by* 26.

FORT and ESPLANADE of BOMBAY. Bird's-eye View, showing proposed arrangements. Signed J. Trubshowe, Architectural Secretary, Rampart Removal Committee. Bombay, 13th May 1864. *Size,* 28 *inches by* 40. Marked B.
*** See Bombay Island for A.

Plan showing the SITES selected and approved by Government for all the PUBLIC and PRIVATE BUILDINGS on the ESPLANADE. Signed J. A. Fuller, Captain. Office of the Arct. Ex. Engl. and Surveyor, Bombay, 23rd January 1866. *Scale,* 200 *feet to* 1 *inch; size,* 40 *inches by* 66.

Bombay Harbour.

See Samuel Thornton's Chart of Bombay, 1703–50, in page 547.

Charts of BOMBAY HARBOUR, and in connexion with it, bound up in "A new Directory for the East Indies," by Samuel Dunn. 2 vols., folio. 1787.

- Plan of Manhora River in the Island Salset by Archd. Blair. 1777.
- Plan of Vassava by Lieutenant Edward Harvey. 1777.
- Plan of Mayham, surveyed in May 1777 by Lieut. Edw. Harvey.
- A reduced Chart of Bombay Harbour to serve as an Index for the large one of eight sheets by Wm. Nichelson, Master of H.M.S. Elizabeth. Gregory, London. No date, about 1780.

Chart of BELAPORE (PANWELL) RIVER by J. Lendrum, 1779. In "A collection of Charts, &c.," by Alex. Dalrymple, in 1 vol., oblong fol. half-bound.

Chart bound up in "Supplement au Neptune Oriental par feu M. D'Après de Manneville." Paris, 1781. "Plan du PORT de BOMBAY." *See also* "Instructions pour entrer dans le port de Bombay."

Trigonometrical Survey of BOMBAY HARBOUR, by Lieut. Robert Cogan, H. C. Marine, assisted by Mr. George Peters, Midshipman, 1829. *Scale, about* ½ *nautical mile to* 1 *inch; size,* 34 *inches by* 52. Published by James Horsburgh, Hydrographer to the Hon. E.I. Company, May 1st, 1833.

BOMBAY HARBOUR, shewing the proposed sea guides and defence, as submitted to the Honourable the Court of Directors of the East India Company on the 26th August 1840. By Walter Meriton, Captain in the Maritime Service. *Scale*, 1½ *inch to* 1 *mile; size*, 23 *inches by* 23. MS.

BOMBAY with the HARBOUR and COUNTRY adjacent. With soundings. In Bombay secret, No. 78, 1844. *Scale*, 2 *inches to* 1 *mile*; *size*, 38 *inches by* 26.

Another copy showing the Rock Formations denuded of Alluvium. Accompaniments to the Collector's letter, No. 183, dated 5th June 1850.

Chart on Mercator's Projection for the use of ships making the PORT of BOMBAY. Compiled from the Surveys of Lieuts. Cogan, Robinson, Ethersey, Mountrion, and Selby, Indian Navy. By Lieut. Fergusson, I.N., F.R.A.S., Draughtsman to the Indian Navy. 1852. *Scale*, 5½ *miles to* 1 *inch; size*, 40 *inches by* 27.

Trigonometrical Survey of the West Coast of India from Kundaree Island to Arnol Island. Sheet 12. (BOMBAY HARBOUR, with its Creeks and Approaches.) By Comr. W. B. Selby in 1855, and Lieut. R. Cogan in 1828. With a part of the coast line and interior from the survey of Capt. W. A. Tate, Bombay Engineers, 1827. *Scale*, 2 *miles to* 1 *inch; size*, 40 *inches by* 27.

India, West Coast. BOMBAY HARBOUR, by Commander W. B. Selby, I.N., with additions by Lieut. R. Cogan and Mr. G. Peters, I.N. 1829–55. *Scale*, 4,000 *feet to* 1 *inch*.

*** With an insertion entitled Fort of Bombay, on a larger scale. *Size*, 41 *inches by* 27. London, Sept. 1st, 1858.

Portiòn of BOMBAY HARBOUR, by Lieut. Selby, I.N. Surveyed in 1855. *Scale*, 500 *yards to* 1 *inch; size*, 26 *inches by* 18. MS.

India, West Coast. BOMBAY HARBOUR, surveyed by Lieutenant R. W. Whish, H.M.I.N., assisted by Lieutenant R. Williams, H.M.I.N., and A. L. Brown and W. Marshall, mates;—A. W. Campbell, R. C. Nicholetts, J. L. Leckie, F. B. Girdlestone, midshipmen, H.M.S. Euphrates, I.N. 1862–3. *Scale*, 500 *yards to* 1 *inch; on* 6 *sheets; size of each*, 50 *inches by* 32. With a plan showing the triangulation in the survey of Bombay Harbour, 1862–3; on a separate sheet. *Size*, 25 *inches by* 37.

Plan of BOMBAY HARBOUR relating to its Defence, referred to in P. W. Military Letter to the Secretary of State for India, No. 14, of 3rd March 1864. *See* Colonel Strachey's Memorandums of 6th February 1864, para. 10, page 2. No title. *Size*, 24 *inches by* 36. On tracing cloth. MS.

BOMBAY HARBOUR SURVEY, 1875. By Francis Palmer, A.I.C.E., Commanding Indian Government Ironclad "Magdala." Fcap. folio, stiff cover. (38 pages and 18 plans and sketches.)

Outline Chart of BOMBAY HARBOUR and its APPROACHES, to accompany a Report on the subject of better Lighting and Buoying the Port. By Thomas Pound (Master, H.M.S. "Octavia"). Reduced from Admiralty Chart No. 2,621, and from the Plan of Captain W. C. Barker, I.N., by Arthur G. Tregasskiss (Master's Assistant, H.M.S. "Octavia"). 20th March 1866. *Size*, 23 *inches by* 18. MS.

Wreck Chart of WRECKS in BOMBAY HARBOUR and its vicinity from 1826 to 1866. Compiled by J. Everard C. Pryce, Acting Master Attendant and Conservator of the Port of Bombay. November 1866. *Scale*, 1 *nautical mile to* 1 *inch; size*, 24 *inches by* 47. MS. tracing.

The same, published by order of the Harbour and Pilotage Board.

Results of TIDAL OBSERVATIONS made at CARNAC BUNDER. by the Elphinstone Company in the months of February, March, April, and May, 1867, under the direction of Thomas Ormiston. *Size, 1 foot by 5 yards.*

Bombay Dockyard.

Plan (and Sections) of the BOMBAY DOCKS. Dated Bombay, Superintending Engineer's Office, Civil Branch, 21st May 1838. *Scales, various; size,* 51 *inches by* 28. MS.

Plan of the H. E. I. C. DOCKYARD in the FORT of BOMBAY, with the adjoining Queen's Yard and H. E. I. C. Store Yard. Dated Bombay, Civil Architect's Office, 12th May 1840. *Scale,* 40 *feet to* 1 *inch; size,* 49 *inches by* 28. 2 copies. MSS.

Plan of the DOCKYARD, KING'S YARD, CUSTOM HOUSE, NEW WHARF, and BASIN at BOMBAY. No date. *Scale,* 40 *feet to* 1 *inch; size,* 52 *inches by* 31. MS.

Projected improvements and alterations to the BOMBAY DOCKS, accompanying Board's Letter in the Marine Department, No. 559, dated 17th February 1841:—

B. Plan of the Bombay Docks showing the Basin proposed by Captain Oliver, R.N., Superintendent. *No title or scale; size,* 26 *inches by* 39. MS.

C. Plan of the Duncan and Bombay Dry Docks showing the propositions of Captain Superintendent Oliver, R.N., and Captain Brandreth, R.E. *Scale,* 40 *feet to* 1 *inch; size,* 19 *inches by* 26. MS.

D. Projected improvements to the New Docks at Bombay. Signed A. C. Peat, Major, Civil Architect. Bombay, 11th December 1840. *No scale; size,* 38 *inches by* 26.

E. Plan and sections showing the alterations to the Bombay Stern Docks proposed by Capt. Brandreth, R.E., and called for in the Military Board's Letter, No. 670, of 1841, dated 27th February 1841. Bombay, Dockyard Engineer's Office, 28th April 1841. *Scales,* 8 *feet and* 14 *feet to* 1 *inch; size,* 19 *inches by* 24. MS.

F. Plans and section of the Bombay Duncan Docks showing the improvements suggested by Capt. Oliver, R.N., Superintendent of I. N., and called for in the Military Board's Letter, No. 670, dated 27th February 1841. Bombay, Dockyard Engineer's Office, 28th April 1841. *Scales,* 8 *and* 14 *feet to* 1 *inch; size,* 19 *inches by* 24. MS.

G. Transverse section of the Old Dock, Bombay, and of the Duncan Dock. *Scale,* 8 *feet to* 1 *inch; size,* 16 *inches by* 13. MS.

H. Section of the Duncan Stern Dock at Bombay, showing the midship section of the Queen, line of battle ship, and the President, steam vessel. *Scale,* 6 *feet to* 1 *inch; size,* 19 *inches by* 26. MS.

I. Plan and section of original Coffer Dam. Laid down from information given by Mr. Augusto, Bombay, Civil Architect's Office, 11th December 1840. *Scale,* 7 *feet to* 1 *inch; size,* 22 *inches by* 18. MS.

J. Coffer Dam (plan and section of proposed). Signed A. C. Peat, Major, Civil Architect, Bombay, 11th December 1840. *Scale,* 7 *feet to* 1 *inch; size,* 22 *inches by* 18. MS.

K. Dock Gates, showing the present and proposed constructions. Signed A. C. Peat, Major, Civil Architect. *Scales,* 5 *and* 3 *feet to* 1 *inch; size,* 28 *inches by* 18. MS.

Plan of the BASIN and BREAKWATER proposed to be constructed in BOMBAY HARBOUR. Designed, drawn, and estimated by Capt. J. Estridge, Luximon Bhuggajee and Ramcrustna Wyjunath, Asst. Surveyor and Builder. Bombay, Dockyard Engineer's Office, 29th January 1847. *Scale,* 40 *feet to* 1 *inch; size,* 34 *inches by* 68. MS.

Plan of the BASIN and BREAKWATER proposed to be constructed in BOMBAY HARBOUR. With additions proposed to the area of the Dockyard. Bombay, Chief Engineer's Office, 16th April 1847. *Scale,* 60 *feet to* 1 *inch; size,* 39 *inches by* 67. MS.

Plan and Sections of the SMALLER STEAM BASIN, as called for in the Secretary's Military Board Letters, No. 939 of 1848, and No. 4932 of 1848. Designed, drawn, estimated, and calculated by Capt. P. L. Hart, Engineer to the Dockyard, Luxumon Buggajee and Ramcrustna Wyjunath, Asst. Surveyor and Builder. *Scale,* 25 *feet to* 1 *inch.* With an insertion entitled, *Plan of the Bombay Dockyard,* showing the limits of the Yard, the proposed new Breakwater, and Smaller Steam Basin. Bombay, Dockyard Engineer's Office, 17th August 1848. *Scale,* 200 *feet to* 1 *inch; size,* 29 *inches by* 56. MS.

Plan of the SMALLER STEAM BASIN. Bombay, Military Board Office, 14th December 1848. *Scale,* 25 *feet to* 1 *inch; size,* 32 *inches by* 47. MS.

Revised Plan and Section of the BREAKWATER, with all the alterations up to this date (March 21st, 1849), as called for in the Secretary's Military Board Letter, No. 1290 of 1849, dated 24th February 1849. Designed, drawn, estimated, and calculated by Capt. P. L. Hart, Engineer to the Dockyard, Luximon Buggajee, Asst. Surveyor and Builder, and Mr. J. St. J. Mungavin, Asst. Overseer. Bombay, 28th March 1849. *Scales various; size,* 27 *inches by* 40. MS.

Plan of the QUEEN'S NAVAL PREMISES. Signed, W. Ned. Marriett, Lt., Asst. Chief Engineer. *Scale,* 20 *feet to* 1 *inch; size,* 22 *inches by* 15. MS.

Plan of a portion of the DOCKYARD, showing the Office and Store Room occupied by the Crown, and the site of the proposed additional buildings. *Scale,* 40 *feet to* 1 *inch; size,* 19 *inches by* 23. MS.

Proposed NEW DOCK at BOMBAY DOCKYARD. Signed, J. S. Trevor, Captain R.E. (1866.) On tracing cloth:—

No. 1. Plan of Government Dockyard showing proposed New Dock. *Scales,* 120 *feet and* 60 *feet to* 1 *inch; size,* 36 *inches by* 36.

No. 2. Plan, Elevation, and Section of proposed Dock. *Scales,* 20 *feet and* 10 *feet to* 1 *inch; size,* 35 *inches by* 65.

No. 4. Midship Section of Transport Vessels and of Docks. *Scale,* ½ *inch to* 1 *foot; size,* 37 *inches by* 29.

BOMBAY DOCKYARD. 1874. Signed, Thomas Ormiston. Bombay, 15th June 1874. *Scale,* 40 *feet to* 1 *inch; on* 4 *sheets; size of each,* 40 *inches by* 27.

Colaba Coal Depôt.

Sketch showing the proposed position of the COAL DEPÔT. Bombay, Dockyard Engineer's Office, 20th May, 1841. *Scale,* 100 *feet to* 1 *inch; size,* 30 *inches by* 22. MSS.

Plan of a COAL DEPOT to contain 1,000 tons of coal, with Basin and Wharf, prepared in communication with the Superintendent I. N., as called for in the Military Secretary's Letter, No. 305 of 1841, dated 12th March 1841. Bombay, Dockyard Engineer's Office, 7th September 1841. *Scales,* 12 *feet and* 8 *feet to* 1 *inch; size,* 32 *inches by* 30. MSS.

Plan and Sections of the WINDLASSES, CRANES, &c. for the proposed COAL DEPÔT. Bombay, Dockyard Engineer's Office, 20th May 1841. *Scale*, 2 *feet to* 1 *inch; size*, 15 *inches by* 19. MSS.

Bombay Reclamations.

Docks proposed by Capt. Wemyss.

Proposed IMPORT and EXPORT DOCKS at MOODY BAY. Signed F. Wemyss, Capt. Engineers. Dated Bombay, 7th October 1857.

Plate 1. Plan of ground between the Carnac and Arthur Bunders, with proposed Import and Export Docks at Moody Bay. *Scale*, 400 *feet to* 1 *inch; size*, 25 *inches by* 39.

Plate 2. Plan of Moody Bay showing the proposed Wet Docks, &c., on a large scale. *Scale*, 100 *feet to* 1 *inch; size*, 27 *inches by* 77.

Plate 3, No. 1. Sections through different parts of the Docks. *Scale*, 20 *feet to* 1 *inch; size*, 23 *inches by* 54.

Plate 3, No. 2. Sections through different parts of the Docks. *Scale*, 20 *feet to* 1 *inch; size*, 11 *inches by* 66.

Plate 4, Plan and sections of the Breakwater Ordnance Wharf. *Scales*, 100 *feet and* 10 *feet to* 1 *inch; size*, 25 *inches by* 38.

Plate 5. Plan showing the portions of the fortifications to be removed and rebuilt; also the Entrance Lock. *Scales*, 25 *feet and* 10 *feet to* 1 *inch; size*, 26 *inches by* 40.

Plate 6, No. 2. Plan and Sections of Caisson Groove. *Scale*, 5 *feet to* 1 *inch; size*, 26 *inches by* 19.

Plate 7. Plan and section of Cofferdam for excavating the channel and mouth of Entrance Lock. *Scale*, 5 *feet to* 1 *inch; size*, 21 *inches by* 23.

Plate 8. Plan and section of Cofferdam for the Sea Wall of the Export Dock. *Scale*, 5 *feet to* 1 *inch; size*, 25 *inches by* 32.

Plate 9. Section of Dock and Sea Walls of Export Dock. *Scale*, 5 *feet to* 1 *inch; size*, 18 *inches by* 23.

Plate 10. Sections of retaining walls of Railway Terminus. *Scale*, 5 *feet to* 1 *inch; size*, 17 *inches by* 23.

Plate 11. Section of Sheds for the Import and Export Docks. *Scale*, 5 *feet to* 1 *inch; size*, 17 *inches by* 23.

Plate 12, No. 1. Plan and section of Slaughter-houses. *Scale*, 5 *feet to* 1 *inch; size*, 23 *inches by* 22.

Plate 12, No. 2. Section of Pier leading to Slaughter-house. *Scale*, 5 *feet to* 1 *inch; size*, 13 *inches by* 22.

Plate 13. Plans and sections of Public Necessaries; also sections of passages leading to them. *Scales*, 10 *feet and* 5 *feet to* 1 *inch; size*, 21 *inches by* 23.

On tracing cloth. MSS.

Hon. A. Malet's Plan.

Plan of LAND to be reclaimed and WHARFAGE suggested by the Hon. A. Malet, in connexion with proposed docks at Bombay. 1859. Signed, Robert Stephenson. *Scale*, 400 *feet to* 1 *inch; size*, 28 *inches by* 48. MS.

Sketch of proposed DOCKS, WHARVES, and BUILDING LOTS, for the Hon. A. Malet's (Reclamation) Scheme. Signed, A. De Lisle, Capt., Deputy Superintending Engineer on special duty. 24th February 1859. On tracing cloth. *Size*, 37 *inches by* 52. MS.

GENERAL PLAN. SOUNDINGS and TIDE CURRENTS. The Hon. A. Malet's Harbour Reclamation Scheme, Bombay. Signed, A. De Lisle, Deputy Superintending Engineer on special duty. *Scale*, 4 *chains to* 1 *inch; size*, 34 *inches by* 49. On tracing cloth. MS.

BOMBAY. Plan of GROUND between the MAZAGAON and the South End of the Fort, with proposed Import and Export Docks, Railway Terminus and Wharfage, Boat Quays, and building ground to be reclaimed, as proposed by Hon. A. Malet. Copied in the Office of the Chief Engineer, Public Works, Bombay. 12th November 1857. *Scale* 600 *feet to* 1 *inch; size,* 23 *inches by* 28. On tracing cloth. MS.

Plan of the BOMBAY DOCKS approved by Government, accompanying Despatch, dated 24th April 1860. Showing also the land proposed to be reclaimed by Government. Drawn on an enlarged scale by S. Pertus, C.E. 1860. *Scale,* 300 *feet to* 1 *inch; size,* 26 *inches by* 40. On tracing cloth. MS.

PLANS referred to in LETTER from GOVERNMENT of BOMBAY. Dated 10th December, 37 of 1861:—

1. A lithographed Map of a portion of Bombay Island, showing the locality referred to in paragraph 3 of Sir C. Wood's Despatch, No. 21, dated 8th October 1861, Public Works Department. No title. Dated, Bombay, 4th December 1861. *Size,* 28 *inches by* 20.
2. Plan and sections showing the improvements which are being made to the Apollo Pier (Bombay Harbour). Dated, Bombay, 11th December 1861. *Scale for plan,* 60 *feet; for sections,* 30 *feet to* 1 *inch; size,* 28 *inches by* 42. MS.

A part of the "Map of the ISLAND of BOMBAY, completed to 1861," joined to "The Plan of Ground between Mazagaon and the South End of the Fort," coloured to show:—

1, 2. Reclamations completed and projected by Government; 3, 4. Reclamations completed and projected by private parties; 5. Reclamations to be carried out, whether by Government or private parties is undecided. *Scale,* 600 *feet to* 1 *inch; size,* 32 *inches by* 58. Partly MS.

ELPHINSTONE LAND and PRESS COMPANY, LIMITED, BOMBAY. Map showing progress made in the year ending 30th June 1867, and the Plan of Works as proposed to be carried out. *Scale,* 400 *feet to* 1 *inch; size,* 22 *inches by* 23. Lithograph.

A PLAN, "Accompanying Chief Resident Engineer's Letter, No. 1630 of 1868," showing the G. I. P. Railway Goods Terminus, and the old and proposed site for the B. B. and G. I. Railway Goods Terminus; also the Elphinstone Land and Press Company's ground. *Size,* 11 *inches by* 14. On tracing cloth. MS.

Map of the VILLAGE (and ISLAND) of ELEPHANTA of the SALSETTE TALOOKA. 1866. Showing the site of the Elphinstone Company's Quarries. *Scale,* 660 *feet to* 1 *inch; size,* 10 *inches by* 14.

ELPHINSTONE DOCK CONTRACT, BOMBAY PORT TRUST. Plans of the masonry of a Wet Dock, to be constructed on the site of the present Elphinstone Basin. Bombay, 1875. Thomas Ormiston, Engineer. Eight litho. drawings in a cover. *Size,* 40 *inches by* 27.

Back Bay Reclamation.

A Survey of the SHORE, with LEVELS and SECTIONS of WORKS. No title or date. *Scale,* 200 *feet to* 1 *inch; size,* 3 *feet by* 8. On tracing cloth. MS.

Plan of proposed DOCKS in BACK BAY by the BOMBAY DOCK and LAND RECLAMATION COMPANY, with a plan of the Screw Pile Pier in Bombay Harbour, proposed by the Deep Water Pier Company. No title or date. *Scale*, 1,500 *feet to* 1 *inch; size*, 18 *inches by* 23. MS. tracing.

Proposed DOCK ACCOMMODATION for BOMBAY. Signed Edwin Clark, April 16, 1874. *Size*, 15 *inches by* 37. MS.

Also Plans No. 1 and No. 2, treating the same area differently. Without title or date. *Size of each*, 30 *inches by* 37. On tracing paper. MSS.

Hog Island, Bombay. Hydraulic Lift. Graving Dock.

Hydraulic Lift Graving Dock for the GOVERNMENT of BOMBAY. Edwin Clark, Engineer and Patentee. Emmerson and Murgatroyd, Contractors. 1868. A pictorial view on 1 sheet; also a section and elevation on 1 sheet. *Size of each*, 22 *inches by* 30.

A Longitudinal and Cross Section of the LIFT in OUTLINE. No title. Appendix O. *Size*, 18 *inches by* 28.

Chart showing Soundings near HYDRAULIC LIFT GRAVING DOCK, HOG ISLAND. July 1872. By Lieutenant W. Haydon, R.E. On 2 sheets.

Currents off HOG ISLAND. Flood. In 5 sets. June 1874. On 2 sheets.

Currents off HOG ISLAND. Ebb. In 4 sets. June 1874. On 1 sheet.

Bombay Waterworks.

Map of the FORT of BOMBAY. Completed to 1855. *** Showing in MS. the lines of Pipes, Public Wells, Valves, and Hydrants. *Scale*, 200 *feet to* 1 *inch; size*, 30 *inches by* 50.

Map of the NATIVE TOWN of BOMBAY, completed to 1855. *** Showing in MS. the lines of Pipes, Public Wells, Valves, and Hydrants. *Scale*, 300 *feet* to 1 *inch; size*, 36 *inches by* 43.

INLET TOWER, with a portion of the Principal Dam of the VEHAR RESERVOIR of the BOMBAY WATERWORKS (as it appeared prior to the admission of the water), with the Town and Harbour of Bombay in the distance. Engineer, Heny. Conybeare, Esq., F.G.S., M.I.C.E. Commenced October 1856. *Size*, 40 *inches by* 27.

GENERAL DRAWING of details of distribution, explanatory of the mode in which the supply is made available in cases of fire, and for public wells or conduits; also of the means of connecting these and the pipes for supplying private houses with the street mains. *Size*, 27 *inches by* 36. MS.

WORKING DRAWING No. 1[a]. 41-inch pipes for embankments. *Scale*, 1 *foot to* 1 *inch; size*, 27 *inches by* 40.

DRAWING No. 2[b]. Plan and sections of pipes through embankment. *Scale*, 1 *foot to* 1 *inch; size*, 31 *inches by* 23. MS.

VEHAR RESERVOIR. Contract No. 2. Working Drawing No. 1. Embankment No. 1 and Waste Weir. With coloured plan of Embankment No. 1. *Scale,* 40 *feet to* 1 *inch. Vertical equidistance of contours,* 2 *feet. Size,* 31 *inches by* 42.

VEHAR RESERVOIR. Contract No. 2. Working Drawing No. 2. Embankments Nos. 2 and 3. *Scales,* 25 *feet and* 40 *feet to* 1 *inch; size,* 31 *inches by* 43.

VEHAR RESERVOIR. Contract, No. 2. Working Drawing No. 3. Details of Inlet Tower and general drawing of ironwork at its summit, which is included in Contract No. 3. *Scale,* ⅜ *of* 1 *inch to* 1 *foot; size,* 51 *inches by* 30.

CONTRACT No. 2. Working Drawing No. 4. Sluice House. *Scale,* ¾ *of* 1 *inch to* 1 *foot; size,* 30 *inches by* 42. MS.

CONTRACT No. 3. Working Drawing No. 1. Details of Gangway. *Scale,* 1 *foot to* 1 *inch; size,* 30 *inches by* 41. MS.

CONTRACT No. 3. Working Drawing No. 2. Strainers and plugs for Inlet Tower. *Scale,* 1½ *inches to* 1 *foot; size,* 30 *inches by* 41. MS.

CONTRACT No. 3. Working Drawing No. 3. Details of Ironwork at top of Inlet Tower. *Scale,* 1½ *inches to* 1 *foot; size,* 28 *inches by* 41. MS.

CONTRACT No. 3. Working Drawing No. 4. Details of Ironwork on top of Inlet Tower. *Scale,* 1½ *inches to* 1 *foot; size,* 27 *inches by* 39. MS.

CONTRACT No. 3. Working Drawing No. 5. Windlass? *Scale,* 3 *inches to* 1 *foot; size,* 28 *inches by* 41. MS.

CONTRACT No. 4. Working Drawing No. 1. 32-inch pipes and branches. *Scale,* 1 *foot to* 1 *inch; size,* 27 *inches by* 39. MS.

CONTRACT No. 6. Working Drawing No. 1. Full sized drawings of fancets of pipes. *Size,* 28 *inches by* 37. MS.

CONTRACT No. 6. Working Drawing No. 2. Branch pipes. *Scale,* 2 *inches to* 1 *foot, size,* 25 *inches by* 33. MS.

CONTRACT No. 6. Working Drawing No. 3. Branches and bends. *Scale,* 2 *inches to* 1 *foot, size,* 27 *inches by* 41. MS.

CONTRACT No. 6. Working Drawing No. 4. Special castings for fire and scour cocks and tapering pipes. *Scale,* 2 *inches to* 1 *foot; size,* 30 *inches by* 39. MS.

Bombay Drainage.

Plans signed Russell Aitken, Executive Engineer, 1st August 1867, to accompany his Report on the Drainage of Bombay. 1866.

No. 1. Bombay Main Drainage. Map of the Island of Bombay, showing tidal observations taken by Mr. Jagannath Sadaseur. 1866. *Scale,* 600 *feet to* 1 *inch; size,* 156 *inches by* 57. On tracing cloth. MS.

No. 2. Plan of Bombay Harbour, to accompany Mr. Aitken's Report on the Drainage of Bombay. Addressed to the Municipal Commissioner. Dated 20th June 1866.

⁂ Showing in MS. the tidal observations taken in 1867. *Scale,* ¾ *of a mile to* 1 *inch; size,* 32 *inches by* 22.

No. 3. Section of Main Drain from Null Bazaar to Colaba Reservoir. *Horizontal scale*, 600 *ft. to* 1 *inch; vertical scale*, 20 *feet to* 1 *inch; size*, 15 *inches by* 62. On tracing cloth. MS.

No. 4. Contour map of the Native Town of Bombay. *Scale*, 300 *feet to* 1 *inch; size*, 35 *inches by* 41. MS.

No. 5. Plan of the Native Town showing existing drains. *Scale*, 200 *feet to* 1 *inch; size*, 36 *inches by* 51. On tracing cloth. MS.

No. 6. Map of the Island of Bombay, showing proposed sewers. 1867. *Scale*, 600 *feet to* 1 *inch; size*, 119 *inches by* 40.

No. 7. Bombay main drainage. Sections of intercepting sewers. *Horizontal scale*, 600 *feet to* 1 *inch; vertical scale*, 20 *feet to* 1 *inch; size* 112 *inches by* 37. On tracing cloth. MS.

II.—NORTHERN DIVISION.

Including the Collectorates (or Districts)—of 1, Ahmedabad; 2, Broach; 3, Colaba; 4, Kaira; 5, Kandesh; 6, Nasik; 7, Panch Mahals; 8, Surat; 9, Tanna. Also the Native Principalities, pages 454 to 457.

1. *Ahmedabad Collectorate.*

Sketch of part of the PROVINCE of GOOJERAT, exhibiting the limits of the Collectorates of Ahmedabad and Kaira, with extent of the Surveys made by the Revenue and Topographical Survey of Goojerat, the spaces coloured red being completed, and those encircled by a line of the same colour remaining to be surveyed. By James Cruikshank, Captain, Revenue Surveyor, Goojerat. January, 1829. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 37. MS.

Plan of the DUSKROEE PURGANA, Ahmedabad Collectorate. Compiled and reduced from the original plans by the officers of the Revenue Survey Department, during the years 1820, '21, and '22. Signed, F. B. Jervis, Bombay. 1844. *Scale*, 1 *mile to* 1 *inch; size*, 35 *inches by* 23.

Report of the COLLECTORATE of AHMEDABAD. By E. G. Fawcett. No. 5. Bombay selections. 1854.

Map of the AHMEDABAD COLLECTORATE. Compiled from maps in the Chief Engineer's Office, and from information furnished by the Collector. 1857. *Scale*, 4 *miles to* 1 *inch; on* 4 *sheets; size*, 44 *inches by* 38; *price, coloured*, 5*s*.

Plans of the PERMANENT BARRACKS at AHMEDABAD. Bombay Presidency 1867. In a cover:—

1. Map of 20 miles round Ahmedabad.
2. Plan of the cantonment of Ahmedabad.
3. Artillery barracks.
4. Artillery hospital.

Bridge proposed to be constructed over the BOGHAWA RIVER. Designed by Lieut. C. Scott, Ex-engineer, June 1855. *Scale*, 30 *feet to* 1 *inch; size*, 4 *inches by* 243. On tracing cloth. MS.

Portions of the BOGHAWA BRIDGE on a large scale. Plan, sections, and elevation. June 1855. *Scale*, 5 *feet to* 1 *inch; size*, 23 *inches by* 37. On tracing cloth. MS.

Great Trigonometrical Survey of INDIA. Guzerat. Sheet 81. Section 6. Season 1874–75. Town and part of the Taluka of Dholka, Ahmedabad Collectorate. *Scale*, 4 *inches to* 1 *mile; size*, 40 *inches by* 27.

2. *Broach Collectorate.*

Plans and Statements of the LANDS of SEVEN of the VILLAGES of the BAROCHE PURGUNNA, according to the Revenue Surveys and Settlements made under the orders of the Bombay Government during the years 1811, 1812, and 1813. Monier Williams, Surveyor-General. *Scale,* 6 *inches to* 1 *mile; on* 4 *sheets, bound together in a cover; size,* 18 *inches by* 22. MSS.

A Plan of the PERGUNNAS of JUMBOOSUR, AMOD, and DEHEJ (Broach Sub-Collectorate), according to a Revenue Survey of them executed in the years 1817, '18, and '19. Reduced and connected from the separate plans of each village by James Cruikshank, Captain, 1st Assistant. Baroche, August 1820. *Scale, about* 1,500 *yards to* 1 *inch; size,* 57 *inches by* 49. MS.

Sketch of part of the PROVINCE of GOOJERAT, exhibiting the Collectorates of Baroche and Surat, with the extent of the Surveys made by the Revenue and Topographical Survey of Goojerat, the spaces coloured red being completed, and those encircled by a line of the same colour remaining to be surveyed Signed, James Cruikshank. Captain, Revenue Surveyor, Goojerat. Baroche, Jan. 1829. *Scale,* 4 *miles to* 1 *inch; size,* 37 *inches by* 27. MS.

Map showing the several PURGANAS in the SURAT COLLECTORATE and in the BAROCHE SUB-COLLECTORATE; also the Boundaries of the Surat and Sucheen Nabob's villages, and of all other Enam villages contained therein. Copied in the Chief Engineer's Office, Bombay, 1st May 1846. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 24. MS.

A Plan of the BAROCHE COLLECTORATE, comprising six purgunnahs. According to the Revenue Survey executed under the superintendence of Monier Williams, Major, late Surveyor-General, Bombay. 1860. *Scale,* 2 *miles to* 1 *inch; size,* 34 *inches by* 23; *price, coloured* 5*s.*

BROACH CITY. *See* page 424.

3. *Colaba Collectorate.*

See Maps of Collectorates in Bombay Presidency, page 417.

4. *Kaira Collectorate.*

Sheet No. 25. KAIRA COLLECTORATE, signed J. Cruikshank, Captain, Superintending Surveys. Broach, 29th June 1827. (Specimen of Survey.) *Scale,* 5 *inches to* 1 *mile; size,* 26 *inches by* 30. MS.

*** Part of the Pitlad Purgunna only.

Map of part of the KAIRA COLLECTORATE, reduced from the original plans of the Revenue and Topographical Survey of Goojerat. Signed J. Cruikshank, Captain, Superintending Surveys. Broach, 29th June 1827. *Scale, about* 1,500 *yards to* 1 *inch; size,* 20 *inches by* 25. MS.

*** Part of the Pitlad, Matur Purg, and Nepar Tuppa Purgunnas.

Map of KAIRA COLLECTORATE, reduced from the Revenue and Topographical Surveys of Goojerat. 1855. *Scale,* 2 *miles to* 1 *inch; on* 4 *sheets; size,* 40 *inches by* 33; *price, coloured* 5*s.*

5. *Khandesh Collectorate.*

Map of the PROVINCE of CANDEISH, compiled in the office of the Surveyor-General of India from existing materials, but chiefly from a Map of a Survey completed under the superintendence of Captain John Briggs, Political Agent, in the years 1821 and '22. S.G.O. Calcutta, 12th August 1839. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 51. MS.

Trigonometrical Survey of the PROVINCE of CANDEISH, divided into Purgunas, completed in 1822, by Messrs. Arthur White and Jas. Evers, under the direction and superintendence of Captain John Briggs, Political Agent. *Scale*, 4⅛ *miles to* 1 *inch; size*, 39 *inches by* 52. MS.

Map of the PROVINCE of CANDEISH, according to a Survey completed in the years 1821 and 1822, under the direction and superintendence of Captain John Briggs, Political Agent. *Scale*, 4 *miles to* 1 *inch; size*, 31 *inches by* 51. MS.

Map of KHANDEISH. According to a Survey completed in the years 1821 and 1822 under the direction of Major Briggs, with corrections up to the latest period. With further corrections from a map by Lieut. Graham, Commanding Bheel Corps. 1857. *Scale*, 4 *miles to* 1 *inch; on* 9 *small sheets; size*, 32 *inches by* 50; *price, coloured* 7*s*.

KHANDESH and BOMBAY NATIVE STATES, Topographical Survey. Season 1872–73. *Scale*, 1 *mile to* 1 *inch;* to be completed in 46 sheets, of which the following are published:—

Sheets 1, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, containing part of Khandesh in Bombay Presidency, and parts of Nimar and Malwa in the Central India Agency, under the Governor General.

6. *Nasik Collectorate.*

Map of the KOWNAEE TALOOKA, NASSICK SUB-COLLECTORATE exhibiting the relative position of the villages, their extent, population, &c. 1849. *Scale*, 2 *miles to* 1 *inch; size*, 21 *inches by* 26.

DEOLAI CANTONMENT. Season 1871–72. Surveyed under the superintendence of Colonel D. C. Vanrenen, R.A., *Scale*, 12 *inches to* 1 *mile; size*, 27 *inches by* 40.

8. *Surat Collectorate.*

Report on the Southern Districts of the SURAT COLLECTORATE. By A. F. Bellasis. 1854. Bombay Selections, No. 2.

Map of the SURAT COLLECTORATE. 1860. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 20; *price, coloured* 5*s*.

Plan of the CITY of SURAT, surveyed by Lieuts. Adams and Newport, of the Revenue Survey Department, Goojerat, during the Monsoon of 1817. *Scale*, 70 *yards to* 1 *inch; size*, 59 *inches by* 75. MS.

References to the Plan of the CITY of SURAT, executed by the officers of the Revenue Survey Department, Goojerat, 1817. Folio, half bound. MS.

Plan of the CITY and ENVIRONS of SURAT. Drawn by J. Cormack, Assistant Surveyor, Superintending Engineer's Office, Surat, 1846. *Scale*, 5 *inches to* 1 *mile; size*, 61 *inches by* 49. Accompanied by longitudinal and cross sections of the River Tapti, in illustration of the floods at Surat in 1822, 1837, and 1843. By Captain Tremenheere. The whole mounted to fold in three parts in a case. MS. tracings.

9. *Tanna Collectorate.*

Map of the TANNAH COLLECTORATE, reduced from 2 sheets of Capt. T. Jervis' Konkun Atlas on a scale of 2 miles to 1 inch. Executed in 1834. *Scale,* 4 *miles to* 1 *inch; size,* 49 *inches by* 24. Imperfect.

Map of the TANNAH COLLECTORATE. 1869. *Scale,* 4 *miles to* 1 *inch; on* 3 *sheets; size,* 48 *inches by* 26; *price, coloured* 6*s.*

Surveys in the NORTHERN KONKUN, by Mr. Francis Horne of Madras, employed under the collector Mr. Marriott. Measurements by a perambulator, angles and bearings by a compass. Sheet 2 only. Copied May 1821. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 32. MS.

*** Country between Shawpoor on the north and Aubta (Apta) on the south.

Topographical Surveys in NORTHERN KONKUN, under Captain Jopp, Deputy Surveyor General, 1833. *Scale,* 2 *miles to* 1 *inch; 5 sheets, as follows:—*

1. Survey of Cheechun and parts of Tarrapoor, Asseeree, and Seereegaon Turrup, in the Sunjun Talooka. *Size,* 18 *inches by* 20.
2. Survey of the Mahun Purgunna and parts of the Seereegaon, Tarapoor, Cheechun and Munnoor Turrup. *Size,* 23 *inches by* 19.
3. Survey of parts of Bassein, Kolwaun, and Kullian Talookas, in the northern Konkun. *Size,* 23 *inches by* 21.
4. Survey of parts of Kallian and Moorbaur Talookas. *Size,* 21 *inches by* 25.
5. Survey of the Panwell and Nusrapoor and parts of the Kallian and Moorbaur Talookas in the Northern Konkun. *Size,* 21 *inches by* 26. MSS.

Map of the SOUTHERN PORTION of NORTH KONKUN or TANNAH COLLECTORATE, from the parallel of Bombay. Outline and hills only. No title. *Size,* 38 *inches by* 29. MS.

Part of TANNAH COLLECTORATE, with the Routes of an Expedition in 1779 between Bombay and the Ghauts. Engraved for A. Dalrymple, but unfinished. No date or title. *Size,* 30 *inches by* 24.

The Konkun (Konkan) Atlas.

An Atlas illustrative of a GEOGRAPHICAL and STATISTICAL MEMOIR of the BRITISH and FOREIGN TERRITORIES, situated on the north-west coast of Peninsular India, comprised in that division of Muharashtru designated in the ancient geography of the Hindoos, the *Konkun;* by the earliest Arabian navigators *Maabir* or the landing place, forming together with Tooluon and Kerulu, the *Suhyu Khund* of Hindoo Legend and Mythology; accompanied by numerous illustrations of the scenery, natural history, and antiquities, by Captain T. Jervis, of the Corps of Engineers (1834). *Size,* 31 *inches by* 29.

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Epitome of the principal matters contained in the geographical and statistica accounts of the Rajpooree Rygurh and Soowurndroog Talookas, with a general statistical table of the population, revenue, and resources.

Plate 7. Trigonometrical survey plan of the base line. *Scale,* 400 *yards to* 1 *inch.* MS.

No. 9. A map of the Konkun, constructed from new and original surveys to illustrate a statistical memoir, by Captain T. Jervis, of the Corps of Engineers. *Scale,* 8 *miles to* 1 *inch.* MS.

No. 10. A plan of the town, fort, villages, and bays of Rutnagiri, the principal station in the Southern Konkun Zillah, in latitude 17° 0′ 40″ north, longitude 73° 20′ 80″ east of Greenwich, and distance from Bombay 184½ miles. To exemplify the nature of the coast, villages, and a Mharatta fortified post. *Scale,* 1 *mile to* 1 *inch.* MS.

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No. 13. Sketch of the Konkun or Western Coast of India, exhibiting the geographical distribution of plants. *Scale, 8 miles to 1 inch.* MS.

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No. 16. Plan of the fort of Coorlah, situated to the south of the entrance of the Chowul River. *Scale, 200 feet to 1 inch.* MS.

No. 17. Plan of the mountain fortress of Rayree or Rygurh, the chief residence of Seevajee, the founder of the Mharatta Empire; called by the early Mahomedan Kings of Dowlutabad, Islamgurh, situated in 18° 15′ 0″ N. Lat., in 73° 31′ 30″ East Long. from Greenwich; distance from Bombay, 62⅝ miles. *Scale, 900 feet to 1 inch.* MS.

Plan of the small fortified island of Kausa or Kasow (Turtle island) belonging to the Seedee or Abyssinian Admiral; situated at the north-western entrance of the bay of Jingeera, or Rajpooree river, situated in 18° 20′ 0″ N. Lat., in 73° 2′ 50″ East Long. from Greenwich; distance from Bombay, 43 miles. *Scale, 150 feet to 1 inch.* MS.

Also an exact plan of the island fortress of the Seedee or Abyssinian Admiral; called Jezzeerut, or by the Mharattas Jingeera (the island). Taken out of a French vessel of war and given by the British Commander to the late Captain James Jeremiah Robinson. Situated in 18° 18′ 50″ N. Lat., in 73° 2′ 50″ E. Long. from Greenwich; distance from Bombay, 44½ miles. *Scale, 150 feet to 1 inch.* MS.

No. 18. Plan of the harbour and fort of Jygurh, situated in 17° 19′ 0″ N. Lat., in 73° 17′ 30″ E. Long. from Greenwich; distance from Bombay 114 miles. No scale. MS.

Also, plan of the Fort of Danda Rajpooree, the island forts called Jezzerut or Jinjeerah and Kausa. Situated in 18° 18′ 50″ N. Lat., in 73° 2′ 50″ East Long. from Greenwich; distance from Bombay 44½ miles. No scale. MS.

⁂ With chart of the mouth of the river.

Also plan of the Fort of Vijaydroog (miscalled Gheria). Situated in 16° 34′ 30″ N. Lat., in 73° 23′ 40″ East Long. from Greenwich; distance from Bombay, 164½ miles. No scale. MS.

⁂ With chart of the mouth of the river.

No. 19. Plan of the Bay, Town, and Factory of Vingoorla; situated in 15° 52′ 0′ N. Lat., in 73° 41′ 31″ E. Long. from Greenwich; distance from Bombay, 214½ miles. *Scale, 600 feet to 1 inch.* MS.

Also Plan of the Fort of Reree; situated in 15° 46′ 0″ N. Lat., in 73° 44′ 30″ E. Long. from Greenwich; distance from Bombay, 223 miles. *Scale, 400 feet to 1 inch.* MS.

No. 20. Plan of the Fort of Vijaydroog (miscalled Gheria), in Lat. 16° 34′ 30″ North, and 73° 23′ 40″ East Long.; distance from Bombay 164½ miles. *Scale, 200 feet to 1 inch.*

Also, Plan of the Fort of Sindoodroog, in Lat. 16° 3′ 30″ North, and 73° 30′ 50″ East Long.; distance from Bombay, 200½ miles. *Scale, 150 feet to 1 inch.* MS.

Plan of the Fort and Harbour of Dewgurh, in North Lat. in East Long. from Greenwich; distance from Bombay, miles. *Scale, 3 inches to 1,000 fathoms.* MS.

Plan of the Forts of Sindoodroog and Rajkot, with the Village and Bay of Malwun, in N. Lat. 16° 3′ 30″. Long. E. from Greenwich, 73° 30′ 50″; distance from Bombay, 200½ miles. No scale. MS.

Plan of Zunjeera, the principal Fort at Sevendroog, properly Soowurundroog, the Golden Rock. *Scale, 50 feet to 1 inch.* MS.

Plan of Fort Goa at Sevendroog. *Scale, 50 feet to 1 inch.* MS.

Plan of the Harbour of Goa. No scale. MS.

TRIGONOMETRICAL SURVEY PLAN No. 3, showing the ground on which the Base Line No. 2 was measured by Lieut. T. B. Jervis, in February and March 1824. Surveyed by Lieut. W. W. Dowell, Assistant Surveyor. (*Scale, 400 yards to 1 inch.*)

*** This map is apparently the original or a copy of Plate 7 of the Konkun Atlas. MS.

Survey of the rich DILUVIAL TRACTS in the PEN WANSEE and HUMRAPOOR MUHALS at the embouchure of the Amba or Nagota River, in the North-West angle of the Sankee Talooka, where the salt manufactures are at present established, and might be increased to any extent by the skilful drainage and embankment of the lands. To accompany Capt. T. B. Jervis' Statistical Memoir of the Konkun. MS.

*** This is a copy, on a reduced scale, of Plate No. 12 of the Konkun Atlas.

Topographical Survey of NORTH and SOUTH KONKUN. Reduced in the Surveyor-General's Office, Dehra Doon, from the originals. 1849. *Scale, about 4 miles to 1 inch; in 5 maps, marked Nos. 1, 2, 3, 4, 5; size of each, 22 inches by 15.*

1. Topographical Survey of the Talookas or Districts of Kolwun and Wussyee.
2. Topographical Survey of the Talookas or Districts of Chewul Prant, Kullian Prant, Wussyee Prant, Bombay, Salsette, and Islands.
3. Topographical Survey of the Talookas or Districts of Rajpooree, Rygurh, and Soowundroog.
4. Topographical Survey of the Talookas or Districts of Unjunvel, Rutnagiri, and Vijaydroog.
5. Topographical Survey of the Talookas or Districts of Malwun, Sawunt Waree, and Goa. MSS.

Matharan Hill.

Map of the MATHARAN HILL, surveyed in October and November 1852. *Scale, 1 furlong to 1 inch; on 3 sheets; size of each, 21 inches by 28.* Lith.

Tal Ghat.

Sketch of the TUL GHAT, showing a proposed new line of Road. Signed, J. A. Curtis, Lieut., Assist. Superintendent of Roads, &c. August, 1838. *Scale, 600 feet to 1 inch; size, 17 inches by 31.* MS.

Sketch of the TUL GHAUT, surveyed in January and February 1842. Geo. Levien, Corpl. Assistant Overseer, D.P.W. *Scale, 400 yards to 1 inch; size, 19 inches by 27.* MS.

Survey of a NEW LINE on the TULL GHAUT. Signed A. C. Peat, Major, Superintendent of Roads. No date. *Scale, 100 yards to 1 inch; size, 36 inches by 47.* MS.

Plan of the ROAD between BHEWNDY and NASSIK, by the Tull Ghaut. Length 78¾ miles. Signed, C. Walker, Lieut., Assist. Superintendent of Rods, &c. No date. *Scale, 2 miles to 1 inch; size, 35 inches by 24.* MS.

III. SOUTHERN DIVISION.

Including the Collectorates of—1, Ahmednagar; 2, Belgaum; 3, Dharwar; 4, Kaladgi; 5, Kanara; 6, Puna; 7, Ratnagiri; 8, Satara; 9, Sholapur. Also the Native Principalities, page 457.

Map of the SOUTHERN MARATHA COUNTRY, compiled from the surveys of the officers of the Dukhun Survey Department, Poonah, May 1827. *Scale,* 8 *miles to* 1 *inch; size,* 27 *inches by* 29. MS.

1. *Ahmednagar Collectorate.*

Plan and Section of the KAPOORWARREE AQUEDUCT, from its source near the village of Kapoorwarree to its termination within the Pettah of Ahmednuggur; with an insertion entitled, Sketch showing the Distribution of the Wurgaum, Kapoorwarree and Anundee Aqueducts within the Pettah of Ahmednuggur. June 1843. *Scale of Plan and Sketch,* 10 *inches to* 1 *mile; that of Section,* 15 *feet to* 1 *inch; size,* 26 *inches by* 103. MS.

Map of the HILL and CHAMPAIGN PORTIONS of the ANKOLA TALOOKA, Ahmednuggur Collectorate, exhibiting the relative position of the villages, their extent, population, &c. 1850. *Scale,* 2 *miles to* 1 *inch; size,* 21 *inches by* 26.

Map of parts of the AHMEDNUGGUR and POONA DISTRICTS North of Latitude 19°; from a Compilation prepared by Major T. B. Jervis, Bombay Engineers. 1851. *Scale,* 4 *miles to* 1 *inch; size,* 10 *inches by* 36. MS.

Map of the AHMEDNUGGUR COLLECTORATE. 1855. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size,* 44 *inches by* 40; *price, coloured* 6*s.*

Plan of the PERMANENT BARRACKS at AHMEDNUGGUR, Bombay Presidency. 1867. In a cover.

1. Map of 20 miles round.
2. Artillery barracks.
3. Cantonment of Ahmednuggur.
4. Cavalry barracks.

DEOLALEE, AHMEDNUGGUR COLLECTORATE. 1870. Two maps and a plan as follows, stitched in a cover. *Size,* 28 *inches by* 22.

1. Map of the Country 20 miles round Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General, Bombay Army. *Scale,* 4 *miles to* 1 *inch.* MS.
2. Map of the country 4 miles round the camp at Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General, Bombay Army. *Scale,* 6 *inches to* 1 *mile.*
3. Depot Barracks, Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General; Bombay Army. *Scale,* 10·56 *feet to* 1 *mile.*

2. *Belgaum Collectorate.*

Map of the BELGAUM COLLECTORATE. 1857. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size,* 37 *inches by* 42; *price, coloured,* 7*s.*

BELGAUM CHURCH. Three Photographic Views mounted on cardboard. *Size,* 14 *inches by* 12.

Plan of PERMANENT BARRACKS, BELGAUM. 1865. In a cover.

1. Map of 20 miles round.
2. Plan of Belgaum.
3. Artillery Barracks, Fort Belgaum.
4. " " occupied by Garrison Battery.
5. Infantry Barracks.

3. *Dharwar Collectorate.*

Map of the DHARWAR COLLECTORATE. 1860. *Scale, 4 miles to 1 inch ; size, 31 inches by 23 ; price, coloured 5s.*

Map of the DHARWAR COLLECTORATE, showing the road from Guduk to Yellapoor, with the state of the work thereon on the 1st November 1861, and future prospects thereof. *Scale, 4 miles to 1 inch ; size, 30 inches by 21.*

4. *Kaladgi Collectorate.*

See Maps of Collectorates in Bombay Presidency, page 417.

5. *Kanara Collectorate.*

Map of the NORTH CANARA COLLECTORATE. Bombay, January 1870. *Scale, 4 miles to 1 inch ; size, 36 inches by 24.*

Forest Map of NORTH CANARA. No date. *Scale, 4 miles to 1 inch ; size, 32 inches by 23.*

VIEWS of CARWAR. Photograph of Carwar from the Sea. Photograph of Carwar Harbour with the Bombay steamer arriving :—1, at Batkul Cove ; 2, Carwar Head ; 3, Oyster Rock and Lighthouse.

See also Charts of Carwar, Sedashighur Bay, &c., page 602.

Map of the DISTRICTS of SOANDA and BILGY. *Scale, 2 miles to 1 inch.* With a small insertion entitled "Plan of the Divisions of Soanda into Talooks and Magunnies." Surveyed by Lieutenants Garling and Conner, 1813 to 1815. *Size, 48 inches by 31.* MS.

SOANDA SURVEY. Vol. I. Descriptive Memoir containing remarks illustrative of the Map ; General account of the Districts of Soanda and Bilgy ; general account of the countries surrounding the Soanda District ; account of the Traverse of Soanda ; account of the rivers of Soanda ; Appendix. Vol. II. Topography ; Measures of Capacity ; Weights ; Land Measures ; Long Measures ; Cultivation; Supari Gardens ; Administrative divisions ; Official establishments, revenue, police, and municipal ; Tenures ; Revenue ; Farmed estates ; Population ; Cattle ; Products ; Trade ; Towns and Villages ; Fortifications with plans ; Agragrums, Pagodas and Mutts ; Climate ; History ; Languages ; Wild Animals ; Appendix. Plan of the Divisions of Soanda into Talooks and Magunnies. By Lieutenant John Garling Superintendent, and Lieutenant P. E. Conner, Assistant. Calcutta, 1820. In 2 vols folio, half bound.

Sketch of the General Traverse of SOANDA (now in North Canara) showing in particular the communications of the Coast passing through that District. Signed, Colin Mackenzie, Surveyor General of India. July, 1817. *Scale, 4 miles to 1 inch ; size, 31 inches by 25.* MS.

North Kanara Roads.

Sketch of lines of Road between ANKOLA and BEITKOOL, SUDASHEWGHUR. Bombay, 1863. *Size, 11 inches by 14.* On tracing cloth. MS.

Plans and Sections of the Bridges proposed for the KYGAH GHAUT. 1857. *Size, 12 inches by 38.* Tracing. MS.

Plans and Sections of small Bridges for the road from MULLAPOOR to the foot of the KYGHA GHAUT. *Size, 11 inches by 36.*

Plans of Tunnels proposed for the Road from MULLAPOOR to the foot of the KYGHA GHAUT. *Size,* 17 *inches by* 26.

Plan and Section of Tunnels proposed for the Road from WULLICOTTAY to IDDAGOONJEE. *Size,* 14 *inches by* 58.

Plan and Section of a Timber Bridge on the KYGHA GHAUT. *Size,* 14 *inches by* 12.

Plan, Section, and Elevation of a Timber Bridge on the KYGHA GHAUT. *Size,* 11 *inches by* 12.

Survey of the road from MULLAPOOR to the foot of the NEW KYGHA GHAUT. *Size,* 10 *inches by* 67.

Survey of the KYGHA GHAUT. *Size,* 10 *inches by* 48.

A rough Survey of the Road from WULLICOTTAY to IDDAGOONGY. *Size,* 10 *inches by* 100.

Plan and Section for the proposed Bridge for the IDDAGOONGY NULLAH. *Size,* 11 *inches by* 14.

6. *Poona Collectorate.*

A SURVEY made in December 1807, by Captain Monier Williams (of the route from SIRROOR to POONA and thence to the Bhore Ghat). *Scale, about* 4 *miles to* 1 *inch ; size,* 12 *inches by* 20. MS.

Map of part of the SOUTHERN KONKUN west of Poona, January 1831. Marked, No. 322 C/a/11. Surveyor General's Field Office, Dehra Doon, September 1850. *Scale,* 2 *miles to* 1 *inch ; size,* 21 *inches by* 30. MS.

Map of the KHEIR TALOOKA in the Poonah Collectorate. Signed, J. Francis, Superintendent Poona Revenue Survey. June 1853. *Scale,* 2 *miles to* 1 *inch ; size,* 23 *inches by* 30. MS. trace.

Map of the POONA COLLECTORATE, copied from the compiled Maps Nos. 323 and 325 by the Deputy Surveyor-General. 1858. *Scale,* 4 *miles to* 1 *inch ; size,* 28 *inches by* 34 ; *price, coloured* 6*s.*

Map of the ENVIRONS of POONA, Surveyed by T. Coats, 1814. *Scale, about* 1¾ *miles to* 1 *inch ; size,* 23 *inches by* 35. MS.

Plan of the CITY, CANTONMENTS, and SUBURBS of POONA. *Scale,* 3 *inches to* 1 *mile ; size,* 23 *inches by* 31. (No title or date.) MS.

Plan of the CITY of POONA, by Lieut. Stainforth, Bombay Engineers. Poona, August 1851. *Scale,* 300 *feet to* 1 *inch ; size,* 52 *inches by* 40 ; *price,* 10*s.*

*** With Statistics of the Census taken in 1851.

PHOTOGRAPHIC VIEWS in POONA. St. Paul's Church, Deccan College, Sassoon Hospital. Mounted on cardboard. *Size of each,* 12 *inches by* 14.

Map of the POONA and KIRKEE CANTONMENTS. 1865. *Scale,* 2 *furlongs to* 1 *inch ; size,* 34 *inches by* 28 ; *price, coloured* 4*s.*

Plans of the PERMANENT BARRACKS at POONA. 1866. Artillery Barracks; Sappers' Barracks; Right Flank Infantry Barracks; Left Flank Infantry Barracks; Depôt Barracks.

1. Map of the country 20 miles round Poona. *Scale*, 4 *miles to* 1 *inch*.
2. Plan of the country 4 miles round the cantonment of Poona. *Scale*, 6 *inches to* 1 *mile*.
3, 4, 5, 6, 7. Plans of the Barracks.

In a cover. *Size*, 26 *inches by* 22.

Cavalry Hospital at KIRKEE. Lithographed at the Royal Engineer Establishment, Chatham. 1853. *Size*, 31 *inches by* 23.

Plans of the PERMANENT BARRACKS at KIRKEE. 1870.

1. Map of the country 20 miles round Kirkee. *Scale*, 4 *miles to* 1 *inch*.
2. Plan of the country 4 miles round the Cantonment of Kirkee. *Scale*, 6 *inches to* 1 *mile*.
3. Artillery Barracks, building plans.

In a cover. *Size*, 26 *inches by* 22.

Plans, Elevations, and Sections of POONA BARRACKS. Lithographed at the Royal Engineer Establishment, Chatham. 1850. *Size*, 22 *inches by* 32.

POONA BARRACKS. Lithographed at the Royal Engineer Establishment, Chatham. 1854. *Size*, 21 *inches by* 29.

Plans of the PERMANENT BARRACKS at POORUNDHUR SANITARIUM. 1870.

1. Map of the country 20 miles round Poorundhur. *Scale*, 4 *miles to* 1 *inch*.
2. Plan of the country 4 miles round Poorundhur. *Scale*, 6 *inches to* 1 *mile*.
3. Sanitarium Barracks, building plans.

In a cover. *Size*, 26 *inches by* 22.

7. *Ratnagiri Collectorate.*

Map of the RUTNAGERI COLLECTORATE. 1857. *Scale*, 4 *miles to* 1 *inch; on* 3 *sheets; size*, 50 *inches by* 25; *price, coloured* 6*s*.

8. *Satara Collectorate.*

Map of the TERRITORY of His Highness the RAJAH of SATARA, by Captain George Challon. 1819. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 39. MS.

WESTERN BOUNDARY of the TERRITORY of H.H. the RAJA of SATARA, surveyed by Captain H. Adams. 1820. *Scale*, 2 *miles to* 1 *inch; size*, 37 *inches by* 25. MS.

Survey of the SOUTHERN BOUNDARY of H.H. the RAJA of SATARA, by Capt. H. Adams, in January, February, March, and April, 1821, and the Beejapoor District from a separate Sheet. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 39. MS.

Map of the TERRITORY of His Highness the RAJA of SATARA and JAGHEERDARS, from the Surveys of Captain Challen and Captain Adams. Compiled and drawn by Captain H. Adams, Revenue Surveyor at Sattara. January 1824. *Scale*, 3 *miles to* 1 *inch; size*, 48 *inches by* 72. MS.

The foregoing Map, corrected in the Surveyor-General's Office, as far as practicable from the G. T. Survey operations, and reduced from the original on a scale of 3 miles to 1 inch to a scale of 4 miles to 1 inch. Calcutta, 6th June 1851. *Size,* 37 *inches by* 59. MS.

Map of the DUKHUN, compiled in the Office of the Deputy Surveyor-General at Bombay in the year 1831. Unfinished. *Scale,* 4 *miles to* 1 *inch; size,* 56 *inches by* 51. MS.

Map of the SATTARA TERRITORY, North of Mahableshwur, from the original Survey plots of Lieut. G. Boyd, Assistant Surveyor in 1823. Chief Engineer's Office. Bombay, December 1851. *Scale,* 2 *miles to* 1 *inch; size,* 23 *inches by* 30. MS.

Map of the SATTARA TERRITORY, on a scale of 4 miles to 1 inch. Lithographed in the Chief Engineer's Office. Bombay, March 1851. *Size,* 45 *inches by* 52.

Map of the SATARA COLLECTORATE. 1869. *Scale,* 4 *miles to* 1 *inch; on* 4 *sheets; size,* 36 *inches by* 42; *price,* 8*s.*

Plans of the PERMANENT BARRACKS at SATTARA, Bombay Presidency. 1869. In a cover.

1. Map of the country, 20 miles round Sattara.
2. Plan of Sattara and 4 miles round.
3. Infantry Barracks.
4. Infantry Barracks, Hill Fort.

Map of the HILL RANGES in the vicinity of MAHABLESHWAR. Bombay, 1866. *Scale,* 200 *yards to* 1 *inch; in* 8 *sheets (parts),* viz.:—

Sheet 1,	size 3	feet by	7	feet;	price	14*s.*
„ 2	„ 3	„ ×	7½	„	„	11*s.* 6*d.*
„ 3	„ 3	„ ×	6	„	„	10*s.*
„ 4	„ 3	„ ×	5	„	„	7*s.*
„ 5	„ 3	„ ×	6½	„	„	10*s.*
„ 6	„ 3	„ ×	5½	„	„	7*s.*
„ 7	„ 3	„ ×	7	„	„	11*s.*
„ 8	„ 3	„ ×	6½	„	„	8*s.* 6*d.*

Index Map. Scale, 2 *miles to* 1 *inch; size* 14 *inches by* 18; *price,* 2*s.* 6*d.*

Map of the HILL RANGES in the vicinity of MANDURDEO. Bombay, 1865. *Scale,* 220 *yards to* 1 *inch; on* 2 *sheets or parts,* viz.,—

Sheet 1,	size 3	feet by	7	feet;	price	10*s.*
„ 2	„ 3	„ ×	6	„	„	8*s.*

Index Map. Scale, 2 *miles to* 1 *inch; size,* 10 *inches by* 14; *price* 1*s.*

Plan, Sections, and Elevation of Proposed BRIDGE across the QUOINA RIVER at KURAR. January 1856. *Scales,* 40 *and* 20 *feet to* 1 *inch; size,* 22 *inches by* 30. On tracing cloth. MS.

9. *Sholapur Collectorate.*

Report on the Collectorate of SHOLAPORE. By T. D. and J. S. Inverarity. 1854. In No. 4, Bombay Selections.

Map of the SHOLAPOOR COLLECTORATE, as arranged in the Office of the Chief Engineer. Bombay, 15th October 1844. *Scale,* 4 *miles to* 1 *inch; size,* 44 *inches by* 28.

Diagram exhibiting the EXTENT of GOVERNMENT LAND annually under cultivation for the last 30 years (1840 to 1869) in 77 villages of the Madeh Talooka, and its gross and net revenue. *Size*, 17 *inches by* 10.

Map of the MADEH TALOOKA of the SHOLAPORE ZILLA. 1871. *Scale*, 2 *miles to* 1 *inch; size*, 21 *inches by* 23.

Map of the SHOLAPOOR COLLECTORATE. 1868. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size*, 46 *inches by* 28; *price, coloured* 8*s*.
*** *See also* Bombay Revenue Survey, Selected Series, page 423.

Map of the SHOLAPORE COLLECTORATE, compiled from the Revenue Survey, Telooka Maps. 1873. *Scale*, 2 *miles to* 1 *inch; size*, 51 *inches by* 60. Folded in a quarto cover.

Plans of the PERMANENT BARRACKS at SHOLAPOOR, Bombay Presidency. 1867. In a cover.

1. Map of the country 10 miles round Sholapoor.
2. Cantonment of Sholapoor and 4 miles round.
3. Artillery Barracks.

IV.—SIND.

Including the Collectorates of; 1, Hyderabad; 2, Karachi; 3, Shikarpur; 4, Thar and Parkar; 5, Upper Sind Frontier; and the Native Principality of Khairpur, page 458.

General Map.

A Map of SINDE, from Surveys made in 1832 by Wm. Pottinger, Lieut. 6th Foot, Assistant Mission to Sinde. *Scale*, 12 *miles to* 1 *inch; size*, 42 *inches by* 30. Original MS. and a Copy.

Map of SINDE, by Lieutenant Edward P. Del Hoste, Surveyor to the Sinde Mission Bhooj, July 19th 1832. *Scale*, 8 *miles to* 1 *inch; size* 40 *inches by* 30. MS.

Survey of SCINDE, in two sheets:—

No. 1. Survey of Lower Scinde from the Hujamree Mouth of the Indus, North to Sewan and Westward to Sonmeanee. Surveyed by the Quartermaster-General's Department in the years 1838 to 1840. *Scale*, 4 *miles to* 1 *inch; size*, 52 *inches by* 30. MS.

No. 2. Survey of Scinde between Sehwan and Shikarpoor. The River Indus and the Hala Range of Mountains, including Cutch-Gundava from the desert to Dadur. Quartermaster-General's Office, August 1840. *Scale*, 4 *miles to* 1 *inch; size*, 59 *inches by* 31. MS.

Map of SIND, East of the Indus, from original Surveys in the Quartermaster-General's Office, Bombay. 1841. *Scale*, 8 *miles to* 1 *inch; size*, 41 *inches by* 35. MS.

Sketch of some of the PRINCIPAL CANALS in SCINDE. 1846. *Scale*, 11 *miles to* 1 *inch; size*, 38 *inches by* 29. MS.

Map of part of LOWER SCINDH, signed A. De Lisle, Lieut. In charge of Scindh Survey. April 1850. *Scale*, 4 *miles to* 1 *inch; on* 2 *sheets; size of each*, 30 *inches by* 52. MS.

Map of SCINDE, surveyed and collected by the Quartermaster-General's Department, Bombay Army, Lieut.-Colonel Neil Campbell, Q.M.G., Bombay, 1850. *Scale*, 8 *miles to* 1 *inch; size*, 60 *inches by* 54.

Selections from the Records of the BOMBAY GOVERNMENT:—

No. 13. A History of Sind from A.D. 710 to A.D. 1590, written in Persian at the close of the sixteenth century, by Mahomed Masoom, and translated into English in 1846 by Capt. G. G. Malet. Bombay, 1855.
No. 17. Historical, Statistical, and Geographical Memoirs, Journals, Narratives, Reports, Routes, &c. relating to Sind. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Bombay, 1855.
No. 18. On a rough Survey and Revenue Settlement for Sind. 1859.
Nos. 32, 50, and 52. On Canal clearances in Hyderabad Collectorate. 1834–35.
Nos. 34 and 57. On the Abolition of Forced Labour in Sind. 1856.
Nos. 35 and 58. On the Hills in the West of Kurrachee and Mehur.
No. 36. On the Ford Wah (Canal). 1856.
Nos. 40 and 54. On the Thurr and Parkur districts. 1856.
No. 42. On the Enlargement of the Bigaree Canal. By Captain W. L. Merewether. 1857.
Nos. 45 and 60. On the Eastern Narra. 1857–61.
No. 55. On the Reduction of Expenses at Births, Marriages, and Funerals, by the Syuds of Tatta. 1859.
No. 66. Settlement of Jagheer holdings. 1862.
No. 69. On Canal Irrigation. 1863.

SCINDE RAILWAY MAP, showing proposed route of the Indus Valley Railway, compiled by John Brunton, M.I.C.E., F.G.S., F.R.G.S., Chief Engineer of the Indus Valley Survey. London, 1863. *Scale*, 20 *miles to* 1 *inch; size*, 27 *inches by* 22.

SINDH REVENUE SURVEY. 1855 to 1872. *Scale*, 1 *mile to* 1 *inch; to be completed in* 102 *sheets; price* 3*s. each*. Nos. 28 and 61 are wanting.

SINDH REVENUE SURVEY. 1855 to 1872. *Scale*, 4 *miles to* 1 *inch; in* 13 *sheets; size of each*, 22 *inches by* 30; *price*, 2*s. each*.

A Gazetteer of the PROVINCE of SINDH (SIND). Compiled by A. W. Hughes, F.S.S., Bombay Uncovenanted Civil Service. With Maps and Photographic illustrations. London, 1874. Octavo, cloth. Also, the Second Edition, 1876.

INDEX to SHEET MAPS of the PROVINCE of SINDH, on the scales of 1 mile to 1 inch and 4 miles to 1 inch. *Scale of the Index*, 16 *miles to* 1 *inch; size*, 27 *inches by* 23; *price*, 6*d*.

Routes.

ROUTES and STAGES in SCINDE, to and from Guzerat, Cutch, Jeysulmeer, and Joudpoor. Surveyed and collected by the Department of the Quartermaster-General of the Bombay Army, with an Index. Bombay, 1846. 4to. half bound.

ROUTE BOOK of Protracted Routes compiled during the Mission to SINDE, by Lieut. Edward Patterson Del Hoste, Surveyor and Draftsman to the Sinde Mission. Also, Routes collected from Native information. 50 pages, fcp. MS.

ROUTES in SINDE.

No. 1. Route from Camp near Vikkur to Tattah, viâ the junction of the Hujamree, Bheeman, Tejun, and the main river.

2. Abstract of the Route from the Camp Joon, opposite Vikkur, to Tattah viâ Garrah on the Meeknee, and Khurrempoor on the Buggaur rivers, commenced December 1838.

3. Reconnoissance of the Route from Tatta to Kurrachee. January 1839. A report with maps, by Capt. Peat. On 29 pages, fcp. unbound. MS.

Survey of the ROUTE from KURRACHEE to SEHWAN, with a Map. By Lieut. Margary, Executive Engineer. 1839. Printed by order of the Governor-General in Council. Fcp., 8 pages, sewed.

ROUTE from OOMERKOTE to SUKKUR, by Captain E. P. Delhoste, Assistant Quartermaster-General. 1840. *Scale*, 4 *miles to* 1 *inch; size*, 28 *inches by* 22. MS.

ROUTE from SUKKUR to MOOLTAN, as marched by the Bombay Column. By Captain J. Ramsay, Assistant Quartermaster-General of the Force. Reduced from the original. January 1849. *Scale*, 4 *miles to* 1 *inch; size*, 62 *inches by* 19. MS.

Hydrabad and Roree Road.

Survey of the Road from HYDRABAD to ROREE, numbered 1 to 13 consecutively, *on the scale of* 600 *yards to* 1 *inch;* with a general map, *on the scale of* 5 *miles to* 1 *inch*, and having a table of reference. 1856.

General Plan. Sketch showing the position of the principal Towns on the HYDRABAD and ROREE ROAD. *Size*, 42 *inches by* 15.

No. 1. From Hydrabad to Muttaree. *Size*, 45 *inches by* 16.
" 2. " Muttaree to Halla. *Size*, 44 *inches by* 18.
" 3. " Halla to Synd-ka-Gote. *Size*, 47 *inches by* 20.
" 4. " Synd-ka-Gote to Dulleel-ka-Dhera. *Size*, 46 *inches by* 18.
" 5. " Dulleel to Kazee-ka-Gote. *Size*, 45 *inches by* 19.
" 6. " Kazee-ka-Gote to Dowlutpoor. *Size*, 46 *inches by* 18.
" 7. " Dowlutpoor to Morah. *Size*, 43 *inches by* 18.
" 8. " Morah to Nowshera. *Size*, 45 *inches by* 18.
" 9. " Nowshera to Lacca. *Size*, 45 *inches by* 18.
" 10. " Lacca to Kotree. *Size*, 49 *inches by* 18.
" 11. " Kotree to Gumbut. *Size*, 48 *inches by* 19.
" 12. " Gumbut to Luckman-ke-Tanda. *Size*, 48 *inches by* 18.
" 13. " Luckman-ke-Tanda to Roree. *Size*, 46 *inches by* 19.

1. *Hyderabad Collectorate.*

Map of the HYDERABAD COLLECTORATE. Compiled from Surveys received from the Chief Engineer and from Routes, &c. in the Quartermaster-General's Office. Signed, Edward P. Del Hoste, Deputy Quartermaster-General. 1851. *Scale*, 2 *miles to* 1 *inch; in* 4 *sheets, mounted to fold, and bound in* 2 *covers; size of each cover*, 20 *inches by* 13.

DISTRICT NOWSHERA, Hydrabad Collectorate, Sindh, 1860 to 1863. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 24. MS.

The same, lithographed and published; *price* 4*s*.

Chart of some CANALS in the HYDERABAD COLLECTORATE, to accompany Report No. 387, Nov. 14, 1846. *Size*, 20 *inches by* 28.

INDIA, BOMBAY PRESIDENCY. Plans of the PERMANENT BARRACKS at HYDRABAD (Sinde). 1869. *Three sheets, stitched in a cover; size*, 28 *inches by* 22, as follows :—

Map of the Country 20 miles round Hydrabad. Signed, J. S. Gell, Col., Quartermaster-General, Bombay Army. *Scale*, 4 *miles to* 1 *inch*.

Plan of the Country for four miles round Hydrabad. Signed, J. S. Gell, Col. Quartermaster-General, Bombay Army. *Scale of* 6 *inches to* 1 *mile*.

Infantry Barracks, Hydrabad. Signed, J. S. Gell, Col., Quartermaster-General, Bombay Army. *Scale*, 10·56 *feet to* 1 *mile*.

CIVIL STATION, CANTONMENT, TOWN, and ENVIRONS of HYDRABAD, SINDH. 1865–66 and 1869–70. *Scale*, 6 *inches to* 1 *mile; on* 2 *sheets; size of each*, 40 *inches by* 27.

2. *Karachi Collectorate.*

KURRACHEE CANTONMENT, CITY, and ENVIRONS. 1869–70. Surveyed under the superintendence of Colonel D. C. Vanrenen, R.A., Supt. Revenue Surveys, Upper Circle, by Captain D. Macdonald, Deputy Superintendent. *Scale*, 6 *inches to* 1 *mile; on* 7 *sheets; size of each*, 26 *inches by* 34.

The same Survey, *on the scale of* 16 *inches to* 1 *mile; on* 53 *sheets; size of each*, 22 *inches by* 30.

Map of the Town and Environs of KURRACHEE reduced from Surveys undertaken in the years 1874–75, under the superintendence of Lieut.-Colonel G. A. Laughton, Bombay Staff Corps. Photozincographed at the Government Office, Poona, 1876. *Scale*, 800 *feet to* 1 *inch; on* 4 *large sheets; size*, 82 *inches by* 54.

Plans of the PERMANENT BARRACKS at KURRACHEE. 1865. Somerset, or Artillery Barracks; Napier, or New Infantry Barracks; Fitzclarence, or Depôt Barracks; Ghizree Sanitarium Barracks.

1. Map of the country 20 miles round Kurrachee. *Scale*, 4 *miles to* 1 *inch*.
2. Plan of Kurrachee. *Scale*, 6 *inches to* 1 *mile*.
3, 4, 5, 6. Plans of the Barracks.

In a cover. *Size*, 26 *inches by* 22.

Photographic Views of Public Buildings in KURRACHEE :—

1. The Offices of the Indo-European Telegraph Department from the Macleod Road.
2. ——— The main building.
3. ——— Front view of the Right Wing.
4. ——— Rear view of the Right Wing.
5. ——— Court Yard in rear.
6. ——— Mechanicians' Quarters.
7. ——— Library and Museum.
8. ——— ——— Memorial Window to the late Colonel Patrick Stewart, R.E., &c.
9. Post Office.
10. Law Courts.
11. Infantry Barracks, Napier lines.
12. Holy Trinity Church.
13. ——— Interior.
14. St. Andrew's Presbyterian Church.
15. ——— Interior.
16. Christ Church.
17. ——— Interior.
18. St. Paul's Church, Manora.

1. Plan of the New Church at KURRACHEE. 2. Perspective View of Trinity Church, KURRACHEE. 3. Interior of KURRACHEE CHURCH. Drawn by John Le Mesurier, Lieut., Bombay Engineers. 1856.
On three sheets; size of 1 *and* 2, 22 *inches by* 23.

KARACHI HARBOUR, surveyed by Lieut. A. M. Grieve, I.N., assisted by Lieuts. Constable and Barker, Messrs. De Belin, Stiffe, Macaulay, Clàrke, Lambarde, and Hyndman, Midshipmen of the Indian Navy. 1854. *Scale,* 250 *yards to* 1 *inch; size,* 56 *inches by* 53.

Report on the TRADE and RESOURCES of KURRACHEE, by Captain S. V. W. Hart. Calcutta, 1843. Fcp., 32 pages, sewed.

KURRACHEE HARBOUR, reduced from a survey by Lieut. A. M. Grieve, I.N., 1854, referred to in the Repart of James Walker, LL.D., F.R.S., dated 8th Sept. 1856. With Suggested Harbour Works. *Scale,* 1500 *feet to* 1 *inch; size,* 26 *inches by* 36. MS.

A SERIES of DRAWINGS of KURRACHEE HARBOUR WORKS, Nos. 1 to 17:—

1. Kurrachee Harbour. Index Plan to Survey made in 1857–58, by William Parkes, C.E., for James Walker, LLD., F.R.S., Lond. and Edin., Civil Engineer, by order of the Directors of the Hon. East India Company. Mr. Parkes had the co-operation and assistance of the late Commander A. M. Grieve, I.N.; Commander W. C. Barker, I.N.; Lieuts. H. Pym and C. W. Finch, Bombay Engineers; Mr. G. Elander, Deputy Collector of Canals; and Mr. Gujanun Sudashew, Surveyor. *Scale,* 750 *feet to* 1 *inch; size,* 38 *inches by* 34.
2. Plan of Manora Point and the Entrance. *Scale,* 200 *feet to* 1 *inch; size,* 39 *inches by* 41.
3. Manora Point. Sections of Shore East of Point. Sheet No. 1.
4. " " " " " No. 2.
5. " Sections of Shore West of Point.
6. Sets of Currents. Sheet No. 1.
7. " " No. 2.
8. Sections of Keamari Sand Spit.
9. Sections of Keamari Beach.
10. Plan of the Napier Mole and the west end of Keamari Island.
11. Sections of upper part of Harbour and Mud-flats. Sheet No. 1.
12. " " " " " No. 2.
13. Cross Sections of the Napier Mole.
14. Plan of Chinna Creek.
15. Sections of Keamari Island.
16. Plan and Sections of West Sand Bank.
17. Longitudinal and Cross Sections of the lower part of the Bed of the Layari River.

A SERIES of DRAWINGS of KURRACHEE HARBOUR WORKS, A to E:—

A. Plan of part of Kurrachee Harbour compiled from the Surveys of the late Commander A. M. Grieve, I. N. made in 1854, and William Parkes, Civil Engineer, made in 1857–58. To accompany Mr. Walker's Report addressed to the Under Secretary of State for India, dated 28th October 1858. *Scale,* 750 *feet to* 1 *inch; size,* 46 *inches by* 39.
B. Manora Breakwater or West Pier.
C. Wanting.
D. Bridge over tidal opening in the Napier Mole.
E. Chinna Creek Embankment.

Longitudinal Section of the KURRACHEE and KEEAMARA MOLE, from the beginning to the end. 1850. *Size*, 8 *inches by* 9 *yards*. MS.

KURRACHEE HARBOUR. Diagram of Borings. 1858. *Size*, 18 *inches by* 26.

KURRACHEE HARBOUR. Napier Mole Bridge Iron Work. *On* 2 *sheets ; size of each*, 40 *inches by* 27.

KURRACHEE HARBOUR WORKS. Plan to illustrate Progress of Works to 30th April 1862. *Size*, 25 *inches by* 34.

KURRACHEE HARBOUR. Chinna Creek Embankment. July 1862. *Size*, 20 *inches by* 25.

KURRACHEE HARBOUR WORKS. Soundings on Bar and Entrance Channel, taken 31st December 1862 to 16th January 1863. By Serjeant J. Humby, Pro. Assist. Overseer, P. W. D., &c. under the direction of Lieut. G. L. C. Merewether, Special Assistant Engineer.

KURRACHEE HARBOUR WORKS. General Plan showing the works proposed at different times, those sanctioned for execution, and those carried out wholly or in part. January 25th, 1866. With a chart of the coast line from the mouths of the Indus to Cape Monze showing the position of Kurrachee Harbour, and the action of the South-West Monsoon in carrying sand from the mouths of the Indus towards the harbour, according to the opinion of Colonel Tremenheere. The point marked A shows that north of which the bottles started by Colonel Tremenheere from the mouth of the Indus did not pass. *Size*, 33 *inches by* 42.

KURRACHEE HARBOUR WORKS. B. Manora Breakwater, portion built up to close of season of 1870–71, showing also temporary roads and machinery employed in setting. W. H. Price, M. Inst., C.E., Supt. Government Litho. Press, Madras, 1874. *Size*, 32 *inches by* 53.

KURRACHEE HARBOUR WORKS. C. Manora Breakwater, Concrete Mixing Station and Block ground. Govt. Litho. Press, Madras, 1874. *Size*, 26 *inches by* 37.

KURRACHEE HARBOUR WORKS. Deep Water Point removal (No. 7). Sections on lines shown on Plan No. 6. MS. tracing. *All but No.* 7 *of this series are wanting.*

KURRACHEE HARBOUR WORKS, consisting of:—1. An Index Plan. 2. A Panoramic View of the Harbour from Manora Light-house. 3. The Office, Workshops and Storehouse looking south. 4. Harbour mouth and Manora from Keamaree groyne. 5. Napier mole-bridge and part of native jetty from roof of Customs House. 6. Napier mole-bridge from south end. 7. Native jetty from north end of Napier mole-bridge. 8. Chinna Creek embankment and temporary staging. 9. Hands' Hill new quarries. Mounted together *size*, 20 *inches by* 85.

A LETTER to the UNDER SECRETARY of STATE for INDIA with a memoir on the tides of Kurrachee, and rules for their prediction, by William Parkes, M. Inst. C.E. Fcap. MS.

KURRACHEE TIDES. Diagram showing observed and calculated Heights and Times. 1857–58. *Size*, 26 *inches by* 85. MS.

TIDE TABLES for the PORTS of BOMBAY and KURRACHEE. 1867 to 1874. With introductions by William Parkes, C.E. 18mo. Stiff covers.

3. *Shikarpur Collectorate.*

Map of the SHIKARPOOR COLLECTORATE. Compiled from Surveys received from the Chief Fngineer and from Routes, &c. in the Quartermaster-General's Office. Signed, Edward P. Del Hoste, Major, Deputy Quartermaster-General. 1851. *Scale,* 2 *miles to* 1 *inch ; in* 2 *sheets, mounted to fold and bound in a cover ; size,* 20 *inches by* 13.

DISTRICTS JACOBABAD, SHIKARPOOR, ROHREE. LARKHANA and MEHUR, comprising the Shikarpoor Collectorate Upper Sindh, 1856 to '62. *Scale,* 4 *miles to* 1 *inch ; in* 2 *sheets ; size of each,* 40 *inches by* 28.

The same reprinted with additions, August 1869.

TOWN and CANTONMENTS of JACOBABAD 1858–59. Surveyed under the superintendence of Lieut. J. Macdonald, Revenue Surveyor, by Messrs. J. Todd and W. H. Bolton, &c. *Scale,* 10 *chains to* 1 *inch ; size,* 20 *inches by* 34.

Map of the TALOOKA KUKKUR, COLLECTORATE of SHIKARPOOR (with names in English and the vernacular). 1868. *Scale,* 1 *mile to* 1 *inch ; size,* 29 *inches by* 42. MS.

Sketch of part of UPPER SCINDE. Surveyed and drawn by J. Jacob, Lieut. Bombay Artillery. 1840. *Scale, about* 2⅝ *miles to* 1 *inch ; size,* 45 *inches by* 32. MS.

*** Comprises only the Route from Sukkur viâ Shikarpoor, and Shahpoor to Kahun, the head-quarters of the Murree tribe, and to Peerichuttah, the head-quarters of the Booglie tribe.

Route Map from ROHREE to KHYERPOOR and the Frontier of JESSULMERE. Signed, Henry Creed, Lieut. Artillery. Bombay, May 22, 1840. MS.

Plan of ROHREE, SUKKUR, and FORT BUKKUR. Surveyed in February and March 1856. Surveyor General's Office, Calcutta. January 1870. *Scale,* 8 *inches to* 1 *mile ; size,* 27 *inches by* 31.

Plan of the FORT of BUKKUR, showing the site of the Bridge of Boats, completed 3rd February 1833. Surveyed by Lieuts. Anderson and Durand, Bengal Engineers. Drawn by Lient. A. Cunningham, Bengal Engineers. *Scale,* 200 *feet to* 1 *inch ; size,* 33 *inches by* 22. MS.

*** Includes the positions of Roree and Sukkur.

Plan of ROREE, SUKKUR, and BUKKUR. Surveyed by Lieuts. Anderson and Durand, Bengal Engineers. Drawn by Lieut. A. Broome, Bengal Artillery. With a pencil drawing of the general view of Fort Bukkur and the Bridge of Boats from the left bank of the Indus. (1839.) No title, scale, or date. *Size,* 22 *inches by* 30. MS.

4. *Thar and Parkar.*

PARKUR, on an enlarged scale from Survey in 1829. Signed Alex. Burnes, Assist. Rest. Cutch. *Scale,* 2 *miles to* 1 *inch ; size,* 22 *inches by* 28. 2 copies. MSS.

5. *Upper Sind Frontier.*

Sketch showing the LOCALITIES of TRIBES on the FRONTIER of UPPER SIND. To accompany Political Superintendent's Report No. 1579 of 1859, dated 8th November 1869, to the Commissioner in Sind. (Signed) R. Phayre, Colonel, &c. *Scale*, 8 *miles to* 1 *inch; size*, 26 *inches by* 34.

Sketch showing the Localities of Tribes on the Frontier of UPPER SIND. Drawn by Captain Macauley, September 1854. From a Map by Major Jacob. *Scale*, 8 *miles to* 1 *inch; size*, 30 *inches by* 40.

AFFGHANS and PATANS. Chief Engineer's Office, Bombay, June 1859. *Size*, 37 *inches by* 33.

Map of the PUNJAB and SINDH FRONTIERS, from Dehra Gazee Khan to Chandia. By Colonel Phayre, Pol. Supt., Jacobabad, 1869. S. G. O. Calcutta, 1870. *Scale*, 8 *miles to* 1 *inch; size*, 30 *inches by* 40.

V. NATIVE PRINCIPALITIES, NORTHERN DIVISION OF BOMBAY PRESIDENCY.

1. *Cutch Agency.*

A new Map of CUTCH with the Eastern mouth of the Indus, the Puchum Island and Khureer, compiled from actual measurement and personal observations during the years 1825, '6, '7, '8, by Lieut. Burnes, Deputy Assistant Quartermaster-General in Cutch. Camp Bhooj, August 1828. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 51. MS.

Map of CUTCH and the RUNN. Compiled in July 1854 from Surveys between 1825 and 1828 by Lieut. (Lieut.-Col. Sir A.) Burnes. Corrected and completed by the following later surveys:—The Gulf and S.E. Coast from Mandivee to Wandia by Lieut. A. D. Taylor, I. N. in 1851 and 1852. The S.W. Coast from Mandivee to Lukput and Juggee by Lieut. A. M. Grieve, I. N., between 1848 and '50. The shore of the Runn from Juggee to the mouths of the Bunnass River, Chozar and Parkur, the Northern Coast of Cutch from Bheyla to Lukput, the Islands of the Runn, and the country ten miles round Bhooj, by the Quartermasters-General's Department, between 1850 and 1854. The Northern Coast of Kattiwar from Mallia to Drangdra and thence to the mouths of the Bunnass is filled in from Major Jopp's Surveys. *Scale*, 4 *miles to* 1 *inch; size*, 46 *inches by* 61. MS. trace.

Miscellaneous Information connected with the Province of KUTCH. Bombay Government Records, No. XV. New series. Bombay, 1855. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. 8vo., boards.

Geological Memoir and Map of CUTCH. *See* pages 67 and 72.

2. *Kattywar Agency.*

Map of the WESTERN PENINSULA of GUZERAT, commonly called Kattewar, from actual surveys executed during the campaigns under the command of Lieut.-Col. Walker, in the years 1807 and 1809 by Captain Hardy, Artillery. *Scale, about* 6½ *miles to* 1 *inch; size*, 35 *inches by* 48. MS.

Map of KATTYWAR, CUTCH, and part of GUZERAT. No title. Supposed to be by Captains Monier Williams and Cruikshank, about 1812, *Scale*, 4 *miles to* 1 *inch; on* 13 *sheets; size of each*, 27 *inches by* 19. MS.

Map of the SOUTHERN and WESTERN PORTION of the PROVINCE of KATTIAWAR, *on a scale of* 4 *miles to* 1 *inch*. Compiled from a copy of the original Survey on a scale of 2 miles to 1 inch, by Capt. Slight of the Engineers, and the original Surveys on the same scale, made in the years 1835, '36, '37, and '38, by Capts. Benbow and Boyd of the Native Infantry. The tracts between the Wurtoo and Bhadur Rivers was surveyed and protracted by Hyum Essajee. Bombay 1841. *Size*, 27 *inches by* 55. MS.

Historical, Geographical, and Statistical Memoirs on the Province of KATTYWAR by various authors. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from Records of the Bombay Government, Nos. XXXVII. and XXXIX. New series. Bombay, 1856. 8vo.

Map of KATTYWAR. Signed L. Jacob, Acting Political Agent, Bombay 1856. *Scale*, 10 *miles to* 1 *inch; size*, 27 *inches by* 27.

Map of the PROVINCE of KATTIAWAR. 1869. *Scale*, 4 *miles to* 1 *inch; on* 4 *sheets; size*, 4 *feet by* 5; *price* 12*s*.

KATTYWAR TOPOGRAPHICAL SURVEY. Surveyed and mapped by the Kattywar party, Great Trig. Survey of India, Capt. C. T. Haig, R.E., in charge; under the instructions of Lieut.-Colonel J. T. Walker, R.E., F.R.S., &c. Superintendent. *Scale*, 1 *inch to* 1 *mile; to be completed in* 61 *sheets; size of each*, 28 *inches by* 41; *price* 3*s. each*. The following are published:—

Sheets 6, 8, 9, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 42, 43, 44.

KATTYWAR TOPOGRAPHICAL SURVEY. *Scale*, 4 *miles to* 1 *inch; to be comvleted on* 13 *sheets; size of each*, 29 *inches by* 21. Sheets 6, 7, are published.

The TOWN and BRITISH CANTONMENT of RAJKOT. 1874. *Scale*, 12 *inches to* 1 *mile; on* 2 *sheets; size of each*, 40 *inches by* 27.

Index chart of the Kattywar Topographical Survey. *Scale*, 24 *miles to* 1 *inch*.

3. *Pahlanpur Agency.*

Miscellaneous Information connected with the NATIVE STATES under the control of the Political Superintendent of Pahlunpoor. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from the Records of the Bombay Government, No. XXV. New series. Bombay, 1856. 8vo., boards.

Plans of the PERMANENT BARRACKS at DEESA. 1867. In a cover:—

1. Map of the country 20 miles round Deesa.
2. Plan of Deesa.
3. Artillery Barracks.
4. Infantry Barracks.

4. *Mahikanta Agency.*

Memoirs on the MAHEE KANTA by various authors. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from the Records of the Bombay Government, No. XII. New series. Bombay, 1855. 8vo.

5. *Rewa Kanta Agency.*

Map of the NORTHERN PORTION of the DISTRICTS under the POLITICAL AGENT in the REWAKANTA. Surveyed during March, April and May, 1838, by Lieut. Henry Giberne, Bombay Artillery. *Scale,* 2 *miles to inch ; size,* 40 *inches by* 52. MS.

Map of RAJPEEPLA, CHOTA-OODEPOOR, BARREA, SOANTH, &c., showing their relation to the territories of the Guicowar and Scindia and the Surat Collectorate. No title or date. *Scale,* 10 *miles to* 1 *inch; size,* 24 *inches by* 17. MS.

Plan of a PORTION of the RAJPEEPLA COUNTRY, surveyed in January 1852. Signed, J. J. Pollexfen, Lieut. A. A. Qr. M. General Northern D. Army. *Scale,* 1 *mile to* 1 *inch ; size,* 25 *inches by* 32. MS.

*** A small portion only, between Rajpeepla and the Nurbudda river to the N.W.

Plan of a PORTION of the RAJPEEPLA DISTRICT, surveyed by Lieut. J. J. Pollexfen, Assistant Quartermaster-General N. D. A. and the Guides of the Department in 1853. *Scale,* 2 *miles to* 1 *inch ; size,* 27 *inches by* 33. MS.

*** The Northern half of the District.

Map of the RAJPEEPLA DISTRICT, MANDWEE ZILLAH, and the territories of H. H. the GUICOWAR between the Nerbudda and Taptee Rivers. Surveyed by Lieut. J. J. Pollexfen, Assistant Quartermaster-General N. D. A. and the Draftsmen and Guides of the Department, Northern D. Army, 1855. *Scale,* 1 *mile to inch ; size,* 55 *inches by* 83. MS. tracing.

The same lithographed at Bombay in 1863. *On* 12 *sheets, price* 8*s.*

The same map on the reduced *scale of* 4 *miles to* 1 *inch ; size,* 17 *inches by* 26.

Map of the REWA KANTA, compiled from the Agency Records in 1874. Signed, Lionel C. Barton, Political Agent, Rewa Kanta. Lithographed at the Bombay Education Society's Press. *Scale,* 2 *miles to* 1 *inch ; size,* 53 *inches by* 76.

7. *Baroda Residency.*

GUZERAT TOPOGRAPHICAL SURVEY. Surveyed and mapped by the Guzerat party, Great Trigonometrical Survey of India, Lieut.-Colonel Nasmyth, R.E., and Lieut. J. R. McCullagh, R.E., in charge; under the instructions of Colonel J. T. Walker, R.E., F.R.S., &c. Superintendent. *Scale,* 1 *inch to* 1 *mile ; to be completed in* 62 *sheets ; size of each,* 28 *inches by* 41 ; *price* 3*s. each.* The following are published :—

Sheets 8, 9, 10, 11, 12, 13.

Index Chart of the GUZERAT TOPOGRAPHICAL SURVEY. *Scale,* 24 *miles to* 1 *inch.*

*** The Guzerat Survey unites with the Kattywar Survey on the Meridian at 72° 30′ East Greenwich.

Plan of the Country four miles round BARODA. Assistant Quartermaster-General's Office, N. D. A. Camp, Ahmedabad, 15th April 1875. *Scale,* 6 *inches to* 1 *mile ; size,* 55 *inches by* 52.

8. *Cambay Agency.* 9. *Surat Agency.*

Rough Notes connected with the SUCHEEN, DHURUMPOOR, and BANDA ESTATES. By W. H. Harrison. Notes on the Estate of Cambay, by J. E. Oliphant. Historical Narrative of the City of Cambay, &c. In No. XXVI. Bombay Selections, 1856.

11. *Nasik Agency.*

Historical, Statistical, and other Notes connected with the PENTH ESTATES in the Nasik Sub-collectorate. B. W. J. Turquand. In No. XXVI., Bombay Selections. Bombay, 1856.

Map of the PENTH STATE, showing the adjacent Territories, 1856. *Scale, 4 miles to 1 inch; size, 16 inches by 18; price coloured, 2s.*

Design for a MAMLUTDAR'S CUTCHERRY at PEINT. May 1858. *Scale, 10 feet to 1 inch; size, 24 inches by 14.* MS.

12. *Tanna Agency.*

Rough Notes connected with the Petty Estate of JOWAR, in the TANNA COLLECTORATE, by Messrs. Marriott, Saville, and Showell. In No. XXVI., Bombay Selections, 1856.

13. *Jinjira Agency.*

Rough Notes connected with the Petty Principality of JUNJEERA. By Messrs. Karr, Seton, and Showell. In No. XXVI., Bombay Selections, 1856.

NATIVE PRINCIPALITIES, SOUTHERN DIVISION OF BOMBAY PRESIDENCY.

14. *Sattara Agency.*

Memoir on the SATARA TERRITORY. Early history of the Bhonslays of Satara. Notes and Reports on the Census of 1848, the Revenues and Antiquities, &c. in the Satara districts. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Bombay, 1857.

16. *Kolhapur Agency.*

Statistical Report on the PRINCIPALITY of KOLHAPOOR, with Notes on the Jaghirdars, Copies of Treaties. Edited by R. Hughes Thomas. Bombay Selections, No. 8. Bombay, 1854.

Map of KOLAPOOR TERRITORY, surveyed by Captain Foster in 1827. S.G.O. Dehra Doon, September 1850. *Scale, 4 miles to 1 inch; size, 30 inches by 32.* MS.

17. *Sawantwari Agency.*

Historical, Statistical, and other Memoirs on the SAWUNT WARREE STATE, by various authors. Bombay Selections, No. 10. Bombay, 1855.

NATIVE PRINCIPALITY, SIND DIVISION.

19. *Khairpur.*

Map of UPPER SIND, showing the Territory left to Mir Ali Moorad, under the arrangements, recently directed, and the portions resumed as the inheritance of his brothers. Compiled from existing Maps and Surveys and the reports of local officers. Prepared to accompany Major Le Grand Jacob's Report, dated 1st May 1852. *Scale,* 4 *miles to* 1 *inch; size,* 58 *inches by* 45. MS.

Maps of the NORTHERN BOUNDARY of MEER ALI MORAD'S TERRITORY (Khyrpoor) in 3 sheets, marked A. B. C., as follows:—

A. Map showing the Northern Boundary of Meer Ali Morad's territory from the Jessulmeer Frontier to Munhara, surveyed and defined by Lieut. Steuart, Assistant Collector, in 1852. *Scale,* 1 *mile to* 1 *inch; size,* 56 *inches by* 11. MS.

B. Map of the Northern Boundary of Meer Ali Morad's territory from Jessulmeer Frontier to Munhara; showing also the line of boundary claimed by the Meer. Surveyed and defined by Lieut. Steuart, Assistant Collector, in 1852. *Scale,* 2 *miles to* 1 *inch; size,* 37 *inches by* 38. MS.

C. Map of the Northern Boundary of Meer Ali Morad's territory from Munhara to the Roree limits. Temporarily marked by Lieut. Steuart, Assistant Collector, in 1852. *Scale,* 2 *miles to* 1 *inch; size,* 19 *inches by* 16. MS.

ROUTES between ROREE, KHYERPOOR and SOBARAH, in JESSULMEER. Signed, Henry Creed, Lieut. Artillery. Copied in the Chief Engineer's Office, Bombay, 22nd May 1840. *Scale,* 4 *miles to* 1 *inch; size,* 13 *inches by* 23. No title. MS.

IV.—THE FRENCH TERRITORIES IN INDIA.

Including Chandernagore in Bengal; Karical, Mahé, Pondicherry, and Yanaon, in Madras.

Chandernagore.

Plan of a SURVEY executed to ascertain certain CLAIMS made by the FRENCH GOVERNMENT on lands outside the boundary ditch of CHANDERNAGORE, together with a recent survey showing the proposed boundary up to the river Hoogly. Surveyed in May 1851 and April 1852. *Scale,* 8 *inches to* 1 *mile; size,* 27 *inches by* 40. MS.

FRENCH SETTLEMENT of CHANDERNAGORE. Surveyed, season 1870–'71, with a portion of the rivers Hoogly and of the country on its left bank. *Scale,* 8 *inches to* 1 *mile; size,* 40 *inches by* 27.

The same on the scale of 16 *inches to* 1 *mile. On* 4 *sheets; size,* 48 *inches by* 74.

Karical.

Map of the DISTRICT of CARICAUL exhibiting the limits and boundaries of the villages originally held by the French Government, also those in its neighbourhood ceded to them at the peace of 1783 from actual inspection and survey in June 1816, and agreeable to the lists and communications from the Revenue Department. By D. Sim, Lieut. of Engineers and Surveyor. *Scale,* 1 *mile to* 1 *inch; size,* 18 *inches by* 16.

Mahé.

Plan of MAHÉ and the Forts adjacent, surrendered by capitulation the 13th February 1761 to Thomas Hodges, Esq., chief of Tellichery, and Hector Munro, Esq., Major and Commandant of the English Forces before the place. *Scale,* 80 *yards to* 1 *inch; size,* 20 *inches by* 28. MS.

The KURUNGOTTE DISTRICT and the adjacent FRENCH TERRITORY, July 1802. *Scale,* 2¼ *inches to* 1 *mile; size,* 28 *inches by* 20. MS.

NOTE.—A lengthy explanation defines the limits of Mahé and gives a brief history of the acquisition of this territory by the French.

Pondicherry.

Map of the DISTRICTS formerly belonging to the FRENCH GOVERNMENT dependent on PONDICHERRY, distinguishing the possessions held by the French in sovereignty and the districts afterwards held in Jagheer with their limits with the Honble. Company's Districts laid down from actual inspection and survey of the villages in 1816 and agreeable to the official lists and communications from the Revenue Department. By D. Sim, Lieut. of Engineers and Surveyor. *Scale,* 1 *mile to* 1 *inch; size,* 32 *inches by* 23. MS.

A Coloured outline of the FRENCH TERRITORY, with alphabetical references along the outer boundary and a piece of land in dispute coloured yellow. No title, date or scale. *Size,* 24 *inches by* 20. MS.

Map of the DISTRICTS around PONDICHERRY. 1854. Signed E. Maltby, Collector in charge of Special Agent's Department. *Scale,* 2 *inches to* 1 *mile; size,* 48 *inches by* 38. MS.

Carte du TERRITOIRE de PONDICHERRY. Pour copie conforme au type provenant du dépôt des cartes et plans du Ministère de la Marine, augmenté des routes de 1ère et 2ème classe, et de divers travaux d'art. Pondechéry le 10 Décembre 1871. Lithographed at the Oriental Lithographic Press, Madras, 1872. No scale. *Size,* 23 *inches by* 20.

V.—THE PORTUGUESE TERRITORIES IN INDIA.

Including Diu in Kattywar; Daman in North Konkan; and Goa containing the seat of government, adjoining North Canara.

PORTUGUESE Plans of TOWNS in INDIA, traced from old MSS. in the British Museum, with a copy of the memoirs accompanying them. (*Sloan MS.* 197, *fol.* 172). The plans are 24 inches by 17, the memoirs in fcap., 109 pages.

"Livro do estado da India Oriental repartido en tres partes. Segunda e terceira partes: plantas des fortalezas com descripção.

Plantas.

1. Fortaleza de Dio (Diu).
2. " Damas (Daman).
3. " Samges e de Danu (Sunjan e Danva).
4. " Sirgam e de Maim (Seereegaon e Mahim).
5. " e çidade de Baçaim (Bassein).
6. " de Agaçaim e Manora (Agausee e Munnoor).
7. " Tanna.
8. " Mombaim e Ilha de Carania (Bombay e Karanja).
9. " Moro de Chaul (Chowul).
10. " e cidade de Chaul.
11. " de Cambobin.
12. " Mangalor.
13. " Cananor.
14. " Cranganor.
15. " e cidade de Cochim.
16. " de Coulam (Quilon).

Descripsam.

1. Fortaleza de Dio.
2. Cidade e Fortaleza de Damão.
3. Forte de San Gēus.
4. " Danu.
5. Fortaleza e çidade de Bassaym.
6. Porto de Mombaym.
7. Fortalleza e çidade de Cochin.

NOTE.—*See also* "Catologo dos Manuscriptos da Bibliothcca Eborense, Cuntra "Rivera," i. p. 302.

The places in this series, except Dio (Diu) and Damão (Daman) are now chiefly British.

Map of the PORTUGUESE TERRITORY at GOA showing also the roads and principal features of the Sattur and Munnaree Districts; the whole surveyed under the immediate superintendence of Lieut. James Garling of the Madras Establishment, during the years 1811 and 1812. Surveyor-General's Office, Madras, 1827. *Scale, 2 miles to 1 inch; size, 30 inches by* 39. MS.

MEMOIR descriptive and illustrative of the SURVEY of the PORTUGUESE TERRITORIES dependent on GOA, taken in the years 1811 and 1812. In three parts. (By J. Garling, Lieut. Superintendent).

CONTENTS.

Part I. General description. Coast. Bays. Rivers. Divisions of Territory. Districts. Map and Plans.

Part II. Provinces of Salsette and Bardes. Islands of Goa. Productions and Resources. Revenues. Area and Population. Inhabitants. Education Administration. Climate. Maps and Plans.

An account of the Roads and a detail of the Routes through the Portuguese Territories dependent on Goa, forming (*the third*) part of a memoir descriptive of the country, and illustrative of the Topographical Survey taken in the years 1811 and 1812. With a Map.

NOTE.—This is apparently the third part, although it is not so described in the title.

Supplement to the Routes through the Portuguese Territories of Goa, including the Suttur Jaghire, also a Memoir descriptive of the Suttur Jaghire. Parjim, 9 February, 1813.

Additional Supplement to the memoirs descriptive of Goa, containing an account of the Munnaree country.

The three parts and supplement form four Vols. folio half-bound, the additional supplement is of the same size, but in a paper cover. MSS.

A general Statistical and Historical Report on PORTUGUESE INDIA, descriptive of the geographical position of the principal ports; territorial divisions; periods of acquisition; and details respecting agriculture, commerce, &c. With notes containing information relative to the different subdivisions, with their revenue, &c. To which is appended an account of the Convents suppressed in 1835; with particulars relative to their foundation, revenues, &c. Extracted in 1850 from Official Documents by Captain Joaquim Jose Cicilia Kol, (late) Chief Secretary to the Government of Portuguese India. In Bombay Selections, No. 10. Bombay, 1855.

A Map of the NORTHERN BOUNDARY of GOA TERRITORY, compiled in the Chief Engineer's Office, Bombay, 1851. No title. *Scale,* 1,600 *yards to* 1 *inch; size,* 13 *inches by* 84. MS.

DIU ISLAND and the adjacent Mainland: a Survey of the Coast Line and Soundings. No title or date. *Scale,* 10 *inches to* 1 *sea mile; size,* 14 *inches by* 20. MS.

DIU ISLAND. *See* Kattywar Survey.

Map of DAMAUN with NUGGER HAVELLEE (Nagar Avely). *See* Indian Atlas, Sheet 24.

MAPS

OF

THE CONTINENT OF ASIA

AND ITS DIVISIONS

BEYOND INDIA.

CONTENTS :—

I. GENERAL MAPS OF ASIA.

A new MAP of ASIA, exhibiting its natural and political divisions drawn from the most recent materials. 1832. (London : published by John Cary.) Stereographic projection. *Scale of mid-latitude,* 212 *miles to* 1 *inch ; size,* 36 *inches by* 34.

MAP of ASIA. To Colonel Alexander Allan, M.P., one of the Directors, Hon. East India Company ; this map is inscribed by * * * A. Arrowsmith. 1818. *Scale,* 86 *miles to* 1 *inch ; on* 4 *large sheets ; size,* 64 *inches by* 78.

KARTE über die GEOGRAPHISCHE VERBREITUNG des KAMEELS, nach einer Handzeichnung von Carl Ritter, reducirt und vermehrt mit der Geographischen Verbreitung der Datelpalme (Phönix Dactilifera) durch I. M. Zeigler. Berlin, 1848. *Size,* 21 *inches by* 29.

ATLAS VON VORDER ASIEN zu C. Ritter's Erdkunde von Asien, von Carl Zimmermann. I.–III. Heft; IV. Heft, 1ste. Hälfte; V. und VI. Heft. Imperial folio. Berlin, 1841–51.

I. Heft. 1. Karte Inner Asien's, zu C. Ritter's Erdkunde, Buch 3, Uebergang von Ost-nach West Asien. *On 4 sheets.* 1841.
2. Übersichtsblatt von Inner Asien enthält die Darstellung von sechs hypothetischen Profillen, etc.
3. Geographische Analyse der Karte von Inner Asien, Taf. 1–2.
4. Geographische Analyse der Karte von Inner Asien. Quarto, half-bound; in the Library.

II. Heft. West Persien und Mesopotamien, zu C. Ritter's Erdkunde Buch 3, West Asien, Iranische Welt. 1843. *On 4 sheets, with a supplement.* (Only the North-east sheet.)

III. Heft. 1. Entwurf des Kriegstheatres Russlands gegen Chiwa. 1840. Royal folio. Mit einers geographischer Analyse in 4to. (Wanting.)
2. Versuch einer Darstellung von Khorassan zu C. Ritter's Erdkunde, Buch 3. Iranische Welt, pagen 147 bis 417. Berlin, 1840–41.
3. Versuch einer Darstellung von Farsistan. (Wanting.)
4. Denkschrift über den untern Laufs des Oxus zum Karabugas Haff des Caspischen Meeres, und über des Strombahn des Ochus, oder Tedshen der Neueren, zur Balkan Bay; nebst einem anhang merkwurdiger Nachrichten über die turanischen Länder, als Nachtrag der Geograph. Analyse eines Versuchs zur Darstellung des Aralo-Caspischen Gesenkes. *With 4 maps in 2 sheets*:—

I.

1. Th. Bassiner Skizze des Amu Delta nach den Aufnahmen russischer Gesandtschaften im Jahre 1840 bis 1842.
2. Fragment der Karte aus Ortelius Theatrum Orbis Terrarum, 1570. Russiae, Moscoviae, et Tartariae descriptio. Autore Antonio Jenkensono, Anglo. Edita, Londini. Anno 1562.
3. Uebersichtsblatt zur Darstellung des Schiffbaren und unteren Laufes des Oxus gegen das Karaboghas Haff des Caspischen Meeres und des Ochus, den Tedshen den Neuern, mit Rücksicht auf den plastischen Bau des turanischen Wusten Gesankes von Carl Zimmerman.

II.

1. Charte vom Chanate Chiwa und einem Theile von Turkomanien (Murawief). Quarto, half-bound; in the Library.

IV. Heft, 1ste Hälfte. Atlas von Palaestina und der Sinai Halbinsel, zu C. Ritter's Erdkunde. Band XIV.–XVI. *On 15 sheets.* Berlin, 1850.

V. Heft. Fünf Karten zu Ritter's Erdkunde von Arabien:—
1. Darstellung der Kusten-Gegend von Oman und Mahra. 1846.
2–3. Hadramaut und Jemen. Plan von Aden. Socotra. Karte des Landstrichs zwischen Dsjidda und Tayf in Hedschas Arabien. 1846. *On 2 sheets.*
4. Entwurf zu dem Kriegsschauplatze in Asyr vor dem Jahre 1824.
5. Skizze einer Karte von Asyr, und einem Theile von Hedjas und Nedjd, nach Chedufeau's Materialen. 1847.

VI. Heft. Das Stromgebiet des Indus, in 6 Blättern:—
1–4. Kriegstheater im Punjab. Vorläufiger und unvollendeter Abdruck der Karte des westlichen Himalaya und des Fünf Strom Landes am Indus zur Übersicht der Kriegs-Ereignisse in den Jahren 1845 und 1846.

Also a later edition, entitled—
Karte des oberen und Mittleren (des Fünfstom) des Induslandes und des westlichen Himalaya zu C. Ritter's Erdkunde, III. Theil, Seite 589 bis 741, Seite 1061 bis 1203, und VII. Theil, Seite 5 bis 147, 196 bis 215. Berlin, 1851. *On* 4 *sheets.*

5. Versuch einer Darstellung von Süd Iran, zu C. Ritter's Erdkunde, VIII. Theil, Seite 713 bis 771, Beluchistan und Seistan.
6. Versuch einer Darstellung von Cutsch, ferner des Landes am unteren Laufe des Indus, und des Landes der Beludschen im südöstlichen und südlichen Iran. Zu C. Ritter's Erdkunde: Ost Asien, VI. Theil, Seite 1035–1100; West Asien, VII. Theil, Seite 147–165; und dritter Abschnitt, Seite 711 bis 722. *On* 2 *sheets.* 1851.

ATLAS von ASIEN zu C. Ritter's allgemeiner Erdkunde, 1852. II. Abtheilung. Dritte Lieferung. Entworfen und bearbeitet von Dr. H. Kiepert. Herausgegeben durch C. Ritter. Inhalt:—
1. Uebersichtskarte von Arabien. 2. Karte vom südwestlichen Arabien. 3. Uebersichtskarte von Iran. 4. West Persien. 5. Karte von Turan.

A COLLECTION of MAPS. One Vol., large folio, half-bound, and lettered on the back "Asiatic Maps."
1. Chart of the Indian Ocean, by *L. S. de la Rochette.* 1803.
2. Cape of Good Hope, by *Arrowsmith.* 1805. (2 *sheets.*)
3. Mauritius and Bourbon, by *Laurie* and *Whittle.* 1811.
4. Country between the Euphrates and Indus, by *John Macdonald Kinneir.* (Arrowsmith, 1813.)
5. A Map of Hindostan, or the Mogul Empire, by *James Rennell,* inscribed to Sir Joseph Banks.* 1788.
6. Map of India, by *A. Arrowsmith.* 1804. (3 *sheets.*)
7. Chart of Pulo Penang, by *A. Arrowsmith.* 1805.

VORDER ASIEN. H. Kiepert's Neuer Hand Atlas, No. 28. Berlin, 1871. *Size,* 20 *inches by* 24.

II. OVERLAND ROUTES AND COMMUNICATIONS BETWEEN EUROPE AND INDIA, OTHER PARTS OF ASIA AND AUSTRALASIA.

Sketch of the ROADS between CONSTANTINOPLE and DELHI. Compiled from the travels of Mons. Tavernier, Mr. Forster, and from other sources. 1813. *Scale,* 100 *miles to* 1 *inch; size,* 20 *inches by* 34. MS.

Outlines of the COUNTRIES between DELHI and CONSTANTINOPLE. By A. Arrowsmith. 1814. Additions to 1816. *Scale,* 28 *miles to* 1 *inch; on* 6 *sheets; size,* 64 *inches by* 120.

To His Excellency, &c., &c., Map of various ROUTES between EUROPE and INDIA, comprehending Western and Northern Asia, together with Asia Minor and Egypt, &c. By J. B. Tassin. Calcutta, 1834. *Scale,* 110 *miles to* 1 *inch; size,* 32 *inches by* 44.

*** This really contains India and *South-western* Asia.

Facts connected with the Origin and Progress of STEAM COMMUNICATION between ENGLAND and INDIA. By J. H. Wilson, Commander on the retired list, I.N. London, 1850. 8vo., sewed.

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* For the Memoir to this Map, *see* page 84.

Map showing the STEAM COMMUNICATION and OVERLAND ROUTES between ENGLAND, INDIA, CHINA, and AUSTRALIA. London, W. H. Allen and Co 1855. Drawn and engraved by J. Walker. *Scale,* 4½ *degrees to* 1 *inch; size,* 26 *inches by* 33.

Sketch Map showing the ROUTES between CONSTANTINOPLE and INDIA. By John Walker. No date. *Scale,* 80 *miles to* 1 *inch; size,* 40 *inches by* 27.

Telegraphs.

Map of the EASTERN HEMISPHERE. To accompany Letter, signed by Messrs. Hazlewood and Barry, to the Secretary of the Hon. Court of Directors of the East India Company. Showing the European and East Indian telegraph systems, and the Australia and China telegraph systems. April 1857. *Size,* 17 *inches by* 15.

Plan of a portion of the CONSTANTINOPLE and BUSSORAH Line of Telegraph, laid under the direction of Lieut.-Colonel Biddulph, R.A. Drawn by Lieut. Holdsworth, R.A. 1860. *Scale,* 1 *mile to* 1 *inch; size,* 30 *inches by* 44.

TELEGRAPH TO INDIA COMPANY, LIMITED. Sketch Map, reduced from Sir M. Stephenson's Map of 1849–50, of railway communication between Europe and Asia, showing the lines of submarine and land cable proposed to be repaired and laid, and their relation to the already completed lines of telegraph in Europe, Asia, and Africa, which will by these means be all connected by the Telegraph to India Company (Limited). October 1861. *Size,* 27 *inches by* 40. Litho.

Proposed Extension of the Telegraphs of the EAST INDIES from Rangoon to Singapore, and ultimately to China and Australia. February 1862. *Size,* 21 *inches by* 20. Litho.

Sketch of the LINES of TELEGRAPH between EUROPE and INDIA. July 1864. Bright and Clark. *Size,* 14 *inches by* 21.

ANGLO-AUSTRALIAN and CHINA TELEGRAPH COMPANY, LIMITED. General Map of Telegraph Lines between England and Australia. 1864. *Size,* 17 *inches by* 22. MS. tracing.

Wyld's Outline Chart from ENGLAND to AUSTRALIA and CHINA, with the various telegraph lines laid down in MS. December, 1866. *Size,* 27 *inches by* 40.

Sketch Map showing the ROUTES between CONSTANTINOPLE and INDIA. 1867. Reduced from Mr. Walker's Map, with information added by the Indian Telegraph Department, Calcutta. *Scale,* 160 *miles to* 1 *inch; size,* 15 *inches by* 22.

Telegraph Map showing the MAIN LINES between ENGLAND and INDIA. By James Wyld. Jan. 20th, 1868. *Size,* 27 *inches by* 34.

General SKETCH MAP to illustrate Lieut.-Colonel Fraser's Memorandum, dated 8th November 1868, on the proposal of the Director-General of Telegraphs to connect the Indian and European lines of telegraph with those proposed for the connexion of China, Singapore, Baturia, Java, and Australia. *Size,* 41 *inches by* 54. MSS. tracings.

Sketch of the Telegraph Routes between INDIA and EUROPE, showing those in operation, projected, and in progress. By Lieut.-Colonel Biddulph, R.A. *Size,* 13 *inches by* 16.

Map of ROUTES from EUROPE to UPPER INDIA and CENTRAL ASIA, viâ the Red Sea, the Euphrates Valley, and Kurrachee. No date. *Scale,* 6 *degrees to* 1 *inch; size,* 16 *inches by* 26.

IMPERIAL OTTOMAN EUPHRATES RAILWAY, showing the present and proposed Routes from London to India. Sir John Macneill, Telford Macneill, Engineers. With a Table of Distances and Times of Transit. MS.

Map in explanation of Mr. William Montgomerie's Project of a Telegraph Line from INDIA to CHINA and AUSTRALIA, viâ Singapore. *Size*, 22 *inches by* 18. MS. tracing.

Map showing the proposed Submarine Cables connecting the British Colonies in AFRICA, INDIA, AUSTRALIA, and NEW ZEALAND, and also CHINA, JAPAN, the PHILLIPINE ISLANDS, and the Continent of SOUTH AMERICA with ENGLAND, by means of English stations throughout. *Size*, 8 *inches by* 13.

MORSE'S RECORDING TELEGRAPH INSTRUMENT, as patented and manufactured by Siemens and Halske, of Berlin. In 10 plates. Plate 8 missing.

III. TRANS-INDIAN FRONTIER MAPS.

Map of the HIMALAYAN PROVINCES of HINDUSTAN, the PUNJAB, LADAKH, KASHMIR, KABUL, KUNDUZ and BOKARA. To illustrate the travels of *Moorcroft and Treebeck.* Constructed from their original field-books and notes by John Arrowsmith. 1841. *Scale*, 70 *miles to* 1 *inch ; size*, 14 *inches by* 19.

TRANS-FRONTIER MAPS. Great Trigonometrical Survey of India. *Scale*, 16 *miles to* 1 *inch.*

Skeleton Sheet No. 4. Afghanistan, Kafiristan, Badakshan, Karratagin, Swat, Panjkora, Bajaur, Chitral. 1873.

——— No. 7. Chilas, Gilgit, Yassin, Kunjut, Sirikul, Pamir, Kashgar, Yarkund, Khotan, part of Tibet. 1872.

——— No. 8. The Indian frontier from Ladak to Kumaon, with adjacent part of Tibet.

——— No. 9. Parts of Nepal, Sikkim, Tibet, and Bhotan. 1873.

REPORT of the TRANS-HIMALAYAN EXPLORATIONS by employés of the GREAT TRIGONOMETRICAL SURVEY of INDIA, during 1873–74–75. Drawn up from the original records by Capt. Henry Trotter, R.E., Dep. Supt. G.T.S. Prepared to accompany the Administration Report for 1874–75 by Colonel J. T. Walker, R.E., F.R.S., Supt. G.T.S. With three maps :—1, Map illustrating the Reports on the Havildar's Route through Afghanistan, Kolab, and Darwaz; and the Mullah's Route from Jalalabad to Sarhad-i-Wakhan, 1873–74; 2 and 3, Sheet 1 and Sheet 2 of Maps illustrating the Report of the Pundit's Route through Great Tibet from Ladakh to Assam, viâ the Tengri Nur (Lake) and Lhasa, in 1874. Calcutta, 1876. Folio.

*** See also General Reports on the Great Trigonometrical Survey of India from 1864–65 to the present date for Reports and Maps of Trans-Himalayan Explorations, pages 29 and 30 of this catalogue.

Kaffiristan.

An attempt at a ROUGH SKETCH of KAFIRISTAN, from Kaffir information, with a Memo. on the authorities employed. Signed P. S. Lumsden, Kandahar Mission, January 1858. *Scale*, 8 *miles to* 1 *inch ; size*, 20 *inches by* 24. MS.

Valleys on the Western Frontiers of Kohat and Bannu.

A Sketch of the FRONTIER beyond BUNNOO; including Khost Torees, Jajee, and Dour. By Lieut. Fraser Tytler, 1840. *Size*, 9 *inches by* 14. MS.

Sketch Map of the UPPER MERANZAI and KOORUM VALLEYS. With remarks signed P. S. Lumsden, Deputy Assistant Quartermaster-General. Compiled from a military reconnaissance made in 1855–56, by Lieut. W. Garnett, Bengal Engineers, and Lieut. P. S. Lumsden, Deputy Assistant Quartermaster-General. Drawn by H. H. Godwin-Austen, Lieut. H.M. 24th Regiment. Peshawur, December 1856. *Scale*, 2 *miles to* 1 *inch; size*, 27 *inches by* 37.

Country of the MAHSOOD WUZEERIS, surveyed during the expedition, April–May, 1860, under Brigadier-General Chamberlain, C.B. Hill sketching by Major Walker, traverse of route by Lieut. Basseir, assisted by Lieut. Branfill, map outlined and shaded by Major Walker, &c. *Scale*, 2 *miles to* 1 *inch; size*, 35 *inches by* 26.

*** The original MS. signed by Major Walker, and also a printed copy.

Sketch Map of the Road between THULL and GHUZNEE, showing the route by the Paiwar Kothul and down the Shooturgurdun through Logur. By Lieutenant P. S. Lumsden, Kandahar Mission, January 15, 1858. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 34.

Part of AFGHANISTAN between the parallels of 33° to 34° 30 N. latitude, and the meridians of 68° 18′ to 70° 30′ E. longitude. 1866. *Scale*, 4 *miles to* 1 *inch; size*, 39 *inches by* 48. MS.

*** This map includes the upper part of the Caubul River and its southern affluents, as far east as Bassole; also the upper parts of the Koorum and Shummall Rivers.

Nepal.

Kirkpatrick's Routes.

A Map of PART of NEPAUL with Capt. Kirkpatrick's Routes, (in 1793). No title, except the foregoing endorsement, or date. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 50. MS.

Memoir for illustrating a GEOGRAPHICAL SKETCH of NEPAUL and the ADJACENT COUNTRIES. By Capt. William Kirkpatrick. (1793.) Fcp. 300 pages, stiff cover.

Crawford's Surveys. 1805.

I. NEPAUL. (An elaborate map of the Valley of Nepaul, by Captain C. Crawford.) No date. *Scale*, ¾ *mile to* 1 *inch; size*, 28 *inches by* 30. MS.

II. A Map of the ROUTE to NEPAUL, including the valley. By Capt. C. Crawford. No date. *Scale*, $1\frac{6}{10}$ *miles to* 1 *inch; size*, 51 *inches by* 30. MS.

*** The route is from Sugowlee to Katmandoo.

III. A Map of the NEPAUL TERRITORIES and other PORTIONS of the HIMALAYA MOUNTAINS, delineating:—the headwaters of the Ganges from Gangoutree, Kedarnauth, and Badreenauth;—the source of the Western Gunduck from Mustang on the north of Mukteenauth, with the situation of the course of the Brimpootra (Sanpoo) beyond:—the eastern affluents of the Gunduck;—the Valley of Nepaul and the Bogmutty river; the headwaters of the Coossy;—the Maha-tchieu descending from Chumulari, with the course of the Brimpootra (*sic*) on the north. Also, routes through Nepaul from Dugartcheh (Shigatze) on the east, to Gangoutri and Hurdwaur on the west. Also, the positions of the Snowy Peaks, A to N, of which continuous panoramic views are given in five plates in Hamilton's "Account of the Kingdom of Nepal," 1819. No title or date. By Capt. C. Crawford. *Scale, about* 14½ *miles to* 1 *inch; size*, 30 *inches by* 51. MS.

*** In this map the sources of the Ganges were delineated from the reports of pilgrims, before Webb's survey was made, by which its essential features

were confirmed. Hamilton, in his "Account of Nepal," states that it was Capt. Crawford's map which induced Colonel Colebrooke to question D'Anville's representations, derived from Thibetan Lamas, respecting the sources of the Ganges. Till then D'Anville was received as the highest authority on the subject.

IV. A Map of the NEPAUL TERRITORIES. By Major C. Crawford. 1811. *Scale, about* 7½ *miles to* 1 *inch; size,* 60 *inches by* 90. MS.

*** This map embraces nearly the same area as the foregoing, but it is more recent and the scale is twice as large. It contains many additional details and some alterations. The number of observed snowy peaks is considerably extended, and the ensuing list of them following the title is quoted as an indication of the progress of Himalayan geography at that early period.

I, II, III, Snow mountains seen and laid down from the neighbourhood of Nathpoor.

α, β, γ, δ, ε, Snow mountains seen and laid down from Nathpoor, Mudhoobunee, &c.

A, B, C, D, E, F, G, H, I, L, M, N, O, P, Y, Snow monntains seen and laid down from Cathmandoo, and from Mudhoobunee to Betiah.

a, b, c, d, e, z, Snow mountains seen and laid down from Betiah to Goruckpoor, &c.

1, 2, 3, 4, 5, 6, Snow mountains seen and laid down from near to Bareilly and Moradabad, &c.

The Northern half of this map is missing.

Sir D. Ochterlony's Campaign. 1816.

A Map of the ROUTES by which GENERAL SIR DAVID OCHTERLONY'S ARMY advanced in Three Divisions towards MUKWANPOOR (Nipaul) in February 1816, by G. Lindesay, Lieut. Engineers. S.G.O., 9th May 1820. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 32. MS.

Sketch of the STOCKADES covering the CHEEREEAGHATEE PASS (on the Route to Mukwanpoor). *See* Lindesay's Map of Sir D. Ochterlony's Routes in Nipaul (*i.e.* the foregoing). *Scale,* 120 *paces to* 1 *inch; size,* 17 *inches by* 21. MS.

Nepal Boundary Surveys.

By Lt. Garden.

Map of the BOUNDARY between the BRITISH and NEPAUL DOMINIONS from the ARRAH NULLA to the RIVER GUNDUE, as defined by Sir R. Martin, Bart., Commissioner on the part of the British Government, and Kaje Persad Sing, Sirdar Sirtur Sal, and Khurdar Gunput Upadeea, Commissioners on the part of the State of Nipaul. Surveyed by William Garden, Dy. Asst. Qr. Mr. Gl. 13th May 1817. *Scale,* 1½ *miles to* 1 *inch; size,* 22 *inches by* 67. MS.

Reduction of the same made at the S.G.O. Calcutta, 1822. *Scale,* 4 *miles to* 1 *inch; size,* 19 *inches by* 25. MS.

By Lieut. Boileau.

SURVEY made by order of British Government in India of NIPAULESE BOUNDARY on NORTHERN FRONTIER of TIRHOOT in NORTH BEHAR, as defined by British and Nipaulese Commissioners in April, A.D. 1817. By Lieut. John Peter Boileau, Com. Nipaul Resid. Escort, and Surveying Officer. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 59. MS.

Reduction of the SURVEY made by order of the British Government in India of the NIPAULESE BOUNDARY on the NORTHERN FRONTIER of TIRHOOT in NORTH BEHAR, as defined by British and Nipaulese Commissioners in April, A.D. 1817. By Lieut. John Peter Boileau, Com. Nipaulese Resid. Escort, and Surveying Officer. S.G.O. Calcutta, 6th December 1822. *Scale,* 4 *miles to* 1 *inch; size,* 23 *inches by* 32. MS.

SURVEY of the BRITISH BOUNDARY on the FRONTIER of TIRHOOT, as defined by British and Nepaulese Commissioners, on the cession of the Terace. By Lieut. J. P. Boileau, Surveying Officer. 8th March 1817. Fcp., 24 pages in a cover. MS.

Reduction of the SURVEY of the BOUNDARY between the BRITISH and NIPAULESE POSSESSIONS on the NORTH WEST FRONTIER of ZILLAH CHUMPARUN in NORTH BEHAR. Connecting the previous Surveys of the Boundary in Zillah Goruckpoor on the west and Chumparun on the north-east. Executed under the Superintendence of W. F. Clark, Esq., British Commissioner, &c. By Lieut. J. P. Boileau, Commanding Nipaul Residency Escort, and Surveying Officer. A.D. December 1817. S.G.O. Calcutta, 6th December 1822. *Scale,* 4 *miles to* 1 *inch; size,* 17 *inches by* 19. MS.

Survey of the NEPAL BOUNDARY along the course of the Ooreea Nuddee, in continuation from the boundary on the Chumparun District to that on the Goruckpoor, ending on the Gunduck River. 25th November 1817. By Lieut. J. P. Boileau. Fcap., 72 pages in a cover. MS.

Survey of the BRITISH BOUNDARY on the NORTHERN FRONTIER of the ZILLAH of POORUNNEEA in NORTH BEHAR, &c. Executed under the Superintendence of Shearman Bird, Jun., Esq., British Commissioner. By Lieut. John Peter Boileau, Commanding Nipaul Residency Escort, and Surveying Officer. A.D. January 1818. *Scale,* 2 *miles to* 1 *inch; size,* 26 *inches by* 48. MS.

Reduction of the SURVEY of the BRITISH BOUNDARY on the NORTHERN FRONTIER of the ZILLAH of POORUNNEEA in NORTH BEHAR, &c. Executed under the Superintendence of Shearman Bird, Jun., Esq., British Commissioner. By Lieut. John Peter Boileau, Commanding Residency Escort, and Surveying Officer. A.D. January 1818. S.G.O. Calcutta. 6th December 1822. *Scale,* 4 *miles to* 1 *inch; size,* 17 *inches by* 26. MS.

By Capt. Hodgson.

Map of the NEPAUL FRONTIER and TERRYE between the Rivers Gunduck and Bogmutty, with surveyed routes connecting the same with Dinapore and Patna. By J. A. Hodgson, Capt. and Surveyor. S.G.O. Calcutta. November 1821. *Scale,* 4 *miles to* 1 *inch; size,* 46 *inches by* 30. MS.

By Lieut. J. Pickersgill.

Sketch of the LINE of BOUNDARY between the NEPAUL TERRIANI and the ZILLAH SARUN. Prepared for the information of the Government. Reduced from the original survey by Lieut. J. Pickersgill. *Scale of* $1\frac{6}{10}$ *inches to a mile, to a scale of* 4 *miles to* 1 *inch.* S.G.O. Calcutta, 6th December 1822. *Size,* 21 *inches by* 17. MS.

Map of the FRONTIER DISTRICTS of NIPAL and NORTH BEHAR lying between the Rivers Gunduck and Coosee. 1840. Compiled from maps and other information in record at the Presidency, or contributed by the Public Officers

of Government for the purpose, and including some valuable materials obligingly lent by persons possessing them. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 66; *mounted to fold.* MS.

*** With a section of the road into Nipal from Baragurhi to Noakote, according to Colonel Kirkpatrick.

Preliminary Sketch of NIPAL and the COUNTRIES adjoining to the SOUTH, WEST, and EAST. October 1855. Compiled in the Office of the Surveyor-General of India, from actual survey, other available materials, itineraries of travellers and from information, reduced to a scale of 16 miles to 1 inch from the original compilation. 24th April 1856. *Size,* 28 *inches by* 49.

The BOUNDARY between NIPAL and OUDH, from Bhugora Tal to the Surda River, as defined by the British and Nepal Commissioners and approved by orders of the Supreme Government of India in the Foreign Department. Dated 29th August 1861, No. 3,686. Surveyed by Lieut. F. C. Anderson, Revenue Surveyor and Boundary Commissioner. Season 1859–60. Compiled on the Basis of the Triangulation of the Great Trig. Survey of India. *Scale,* 4 *miles to* 1 *inch; size,* 26 *inches by* 37. MS.

The DINGRI MAIDAN and UPPER ARUN RIVER with the Eastern and Western Sources of the Kosi or Kosiki River, the great eastern tributary of the Ganges, also part of Great Tibet. From a route survey made by an Asiatic Explorer. Compiled from the original materials by Major T. G. Montgomery, R.E., F.R.S., &c. Deputy Supt. G. T. Survey of India. 1871. *Scale,* 16 *miles to* 1 *inch; size,* 20 *inches by* 21.

*** This Map accompanies a memoir on the same subject in the General Report on G. Trig. Survey of India for 1871–2, and supplies important rectifications of the last general Map of Nepaul published in 1855. It embraces all Eastern Nepaul from the Gunduk and Katmandu, eastward to the Sikkim frontier, together with that part of Tibet which lies between Eastern Nepaul and the Sangpo River. These regions contain the Himalayan basin of the Kosi, of which the Arun is the main stream, rising between the northern and southern ranges of the Himalaya draining the intermediate plateau for a length of more than 200 miles, and cutting through the southern range in a stupendous gorge from which Mount Everest rises on the west to 29,002 feet, and Kanchinjinga on the east to 28,156 feet. This exploration is an important extension of Dr. Hooker's famous journey to Wallangchoon Pass, and it is a great step towards the elucidation of the general features of Eastern Nepaul on a scientific basis.

Map to illustrate the REPORT on the EXPLORATIONS TRANS-HIMALAYAN and in Nepal, made during 1873. *Scale,* 16 *miles to* 1 *inch.*

*** This map accompanies a narrative in the G.T.S. Report for 1873–74, and extends through Western Nepal.

*** *See also* Trans Frontier Maps, Nos. 8 and 9, page 466; and a map of Trade Routes to Tibet, in the "Statement" for 1872–73, page 2 of this catalogue.

Butan.

BHOOTAN, 1863. Photographed from an unfinished compilation at the S. G. O. Calcutta. *Scale,* 8 *miles to* 1 *inch; size,* 26 *inches by* 38.

BOOTAN, with the BENGAL DOOARS, illustrating the Route of the Mission of 1864. Compiled in the Office of the Surveyor-General of India, Calcutta. October 1864. Second edition, July 1865. *Scale,* 8 *miles to* 1 *inch; size,* 27 *inches by* 40.

Plane Table Sketch of WESTERN BHOOTAN. Surveyed by Capt. H. H. Godwin-Austen, Surveyor Topographical Survey of India. 1864. *Scale, 4 miles to 1 inch; size,* 25 *inches by* 32. MS.

*** With an enlargement of Daling Fort.

A Map of BOOTAN and the adjoining BRITISH TERRITORY showing the tract of country to be occupied by the British. To accompany a Parliamentary Paper, East India, Bootan, No. 47. Ordered by the House of Commons to be printed, 15 February 1865. No title. *Scale, about* 20 *miles to* 1 *inch; size,* 14 *inches by* 16.

Preliminary Map of BHOOTAN, 1874. *Scale,* 8 *miles to* 1 *inch.* Compiled in the office of the Surveyor General of India, Calcutta, from Topographical Surveys during 1864–66, by Capt. Godwin-Austen, and Lieuts. Strahan and Holditch, R. E., under the direction of Colonel H. Thuillier, C.S.I.

See Preliminary Chart of Cherrapoonjee and Sylhet, also of the Assam Valley, for the triangulation of Snowy Peaks in the Bootan Himalaya, page 37.
See also Eastern Frontier of British India by Pemberton, page 171.

IV. WESTERN ASIA, INCLUDING TURKISTAN.

*** The name of Central Asia in the following maps is misapplied, as it is given to countries lying between the western limits of the continent and the girdle of mountains which encloses its truly central part.

Atlas to accompany a TREATISE on the COMPARATIVE GEOGRAPHY of WESTERN ASIA, by the late Major James Rennell. Engraved by J. Walker. Published by Major Rennell in 1808, 1809, 1810, and 1811, and republished by Lady Rodd in 1831.

CONTENTS:

No. IX. General view of the Geographical Construction of Western Asia. Part 1st. Between the Dardanelles and Shiraz; the Russian Frontier and Egypt.
No. X. The Geographical Construction in detail of Asia Minor, &c.
No. XI. (A.) Syria and Northern Palestine; (B. to E.) Parts of Mesopotamia.
No. XII. (F. to H.) Charts of portions of the Shores of the Black Sea and Archipelago; (I.) A chart of the Euxine Sea to explain the Memoir on the Periplus of Arrian, &c.
A Map of Western Asia, *in* 4 *sheets,* 1809.
A Map of the Comparative Geography of Western Asia, *in* 6 *sheets,* 1809. *Bound in a cover; size,* 25 *inches by* 20.

Maps to MAJOR RENNELL'S RETREAT of the TEN THOUSAND, &c., 1809–1815. *Sheets,* 2 *and* 3 *in a cover; size,* 21 *inches by* 15.

CENTRAL ASIEN, *nemlich* Bokhara, Cabool, Persien, der Indus Ström und die oestlich derselben gelegenen Laender. Weimar, 1835. *Scale,* 75 *miles to* 1 *inch; size,* 21 *inches by* 30.

*** With Alex. Burnes' routes.

Map of TOORKISTAN and WESTERN TARTARY, compiled from routes and printed materials under the superintendence of Captain W. C. MacLeod, M.N.I., 1841. *Scale,* 36 *miles to* 1 *inch; size,* 50 *inches by* 60. MS.

КАРТА СРЕДНЕЙ АЗІИ. Map of CENTRAL ASIA, compiled from the latest materials and engraved at the Topographical Depôt, St. Petersburg. 1863. In Russian. *Scale,* 66 *miles to* 1 *inch; on* 4 *sheets; size,* 40 *inches by* 44.

Also, later editions, dated 1870 and 1873.

CENTRAL ASIA and the recent Russian ACQUISITIONS in TURKESTAN. The map to Michell's "Russians in Central Asia," 1865. *Scale*, 100 *miles to* 1 *inch*; *size*, 27 *inches by* 20.

Map of part of CENTRAL ASIA, showing the Russian possessions and conterminous countries. Topographical Depôt, War Office, 1866. *Scale*, 68 *miles to* 1 *inch*; *size*, 27 *inches by* 33.

CENTRAL ASIA, mapped on the basis of the most recent surveys that have been made by British and Russian Officers. Compiled under the superintendence of Lieut.-Col. J. T. Walker, R.E., F.R.S., &c., Superintendent of the Great Trigonometrical Survey of India. By W. H. Scott, &c. 1866. *Scale*, 50 *miles to* 1 *inch*; *on* 2 *sheets*; *size*, 30 *inches by* 44.

TURKESTAN with the adjoining portions of the BRITISH and RUSSIAN TERRITORIES. Mapped on the basis of the surveys made by British and Russian Officers up to 1867. Compiled and photozincographed under the orders of Lieut.-Colonel J. T. Walker, R.E., F.R.S., &c., Superintendent of the Great Trigonometrical Survey of India, at his office in the Dehra Doon, in October and December 1867, and in June and August 1868. The Russian boundary and military districts are taken from a map by A. Ilyin, St. Petersburgh, received in August 1868. *Scale*, 32 *miles to* 1 *inch*; *on* 4 *sheets*; *size of each*, 28 *inches by* 42; *price* 16*s*.

*** This edition omits the Upper Zarafshan River.

Also, the second edition, corrected and enlarged, entitled Turkestan, with the adjoining portions of the British, Russian, and Native Territories. Mapped on the basis of the surveys made by British and Russian officers up to 1872. G. T. Survey Office, Dehra Dun. April and May, 1873. With a separate Addendum to Sheet No. 1.

*** The Atrek river is here made the Persian boundary.

Also, the revision of the second edition, dated November 1873.

*** With the Persian boundary advanced to the edge of the highland.

A COLLECTION of Col. Walker's NOTES on his Maps of Central Asia and Turkestan:—1, dated 4th June 1873, with postscript dated 11th Dec. 1873; 2, dated 9th Dec. 1873; 3, dated 5th Jan. 1874. Folio, 16 pages.

Sketch Map of the Countries between HINDOOSTAN and the CASPIAN SEA. Compiled in the Office of the Surveyor-General of India. Calcutta 1870, with additions to 1872. *Scale*, 64 *miles to* 1 *inch*; *size*, 25 *inches by* 34.

Map of CENTRAL ASIA; to accompany Report by Capt. C. J. East, Offg. 1st Assist. Q.M. General. Calcutta, 1869. *Scale*, 65 *miles to* 1 *inch*; *size*, 34 *inches by* 30.

Map of a portion of CENTRAL ASIA; comprising the countries between the Russian possessions and British India. Compiled at the Topographical Department, War Office. 1873. *Scale*, 32 *miles to* 1 *inch*; *size*, 25 *inches by* 33.

GENERAL KARTE von CENTRAL ASIEN bearbeitet nach den besten und neusten Russischen und Englischen Quellen im K. K. milit. geographischen Institut in Wien. 1874. *Scale*, 1 : 3,024,000, *or* 47·7 *miles to* 1 *inch*; *size*, 54 *inches by* 60.

Sketch of a JOURNEY from HERAUT to KHIVA and ST. PETERSBURGH, by Captain James Abbott (Royal Artillery). Heraut, 1839–40. Fcap. 18 pages. MS.

Tabular Route from KHIVA to DUSHT KULLA, taken by Lieut. R. C. Shakespeare with the Russian Prisoners. Fcap. 5 pages. MS.

Map of the KHANAT of BOKHARA and a portion of the KIRGHIZ STEPPES. Prepared by Colonel Baron Meyendorff, and revised by the Chevalier Colonel Lapie, of the Corps of Royal Geographical Engineers of France, and the Chevalier Amadis de Jaubert, of the French Royal Staff Corps, &c. Lithographed and printed under the direction of Major T. B. Jervis, F.R.S., &c., 1843. *Scale,* 70 *miles to* 1 *inch; size,* 18 *inches by* 14.

A tracing in French of the COUNTRY between ORENBURG, KHIVA, and KOKAND, with this note:—"Pour les détails de la marche des Russes sur Khiva voir la page 374 du Voyage en Afghanistan." No date, &c. *Size,* 13 *inches by* 20.

Route (of Italian Merchants) from the SYR DARIA RIVER to BOKHARA. *Scale,* 3 *miles to* 1 *inch; size,* 40 *inches by* 27.

Rough Sketch of Caravan Routes through the PAMIR STEPPES and YARKUND, from information collected from Mahomed Ameen Yarkundi, late guide to Messrs. De Schlagintweit. By Captain P. S. Lumsden. *Scale,* 25 *miles to* 1 *inch; size,* 27 *inches by* 40.

KHIVA. Ordnance Survey Office, 1873. *Scale,* 46 *miles to* 1 *inch; size,* 22 *inches by* 17.

Sketch Map of EASTERN TURKESTAN, showing the Hydrography of the Pamir to the east, the true courses of the Yarkand and Karakash Rivers, with all the routes from Ladak across the Karakoram, and adjacent ranges. By Geo. J. W. Hayward. *Scale,* 16 *miles to* 1 *inch; size,* 23 *inches by* 36. Photograph.

Preliminary Map of EASTERN TURKESTAN, to illustrate the reports on Sir Douglas Forsyth's mission to Kashgar. 1873–74. Compiled by Capt. H. Trotter, R.E., Dep. Supt. G. T. Survey of India. Drawn and photozincographed in the Office, &c., 1875. *Scale,* 40 *miles to* 1 *inch; size,* 27 *inches by* 40.

Map of SYR DARIA (Jaxartes) between FORT PEROFSKI and BAILDYR TUGAI. Compiled by Admiral Alexis Butakoff according to astronomical points determined by him, and from land surveys made under his superintendence by Captain Golovoi and the Topographers Zolotovin and Kolesnikoff in the year 1863. Dehra Doon, 1867. *Scale,* 7 *miles to* 1 *inch; size,* 34 *inches by* 26.

V. AFGHANISTAN.

AFGHANISTAN. A series of memoirs by members of Mr. Elphinstone's Mission to Cabul in 1809. The first volume is missing. Vols. 2, 3, 4. Folio, half-bound.

VOL. 2.

Memoir of a Map of Caboul and the adjacent countries comprehending the space between 59° 50′ and 78° 20′ East Longitude and 24° and 40° North Latitude. In two parts. By the late Lieut. Macartney.

VOL. 3.

Memoir on the Climate, Soil, Products, and Husbandry of Afghanistan and the neighbouring countries. By Lieut. Irvine.

VOL. 4.

Memoir chiefly on the Revenue and Trade of the Kingdom of Caubul. By Mr. Richard Strachey.

Route of SHAH SOOJAH, in his Expedition against Candahar and Retreat. 1833–34. An itinerary on a sheet of fcap. MS.

Route of J. G. GERARD, Esq., from HERAT to PESHAWUR, 1833. *Scale, 5 miles to 1 inch; on 7 sheets; size of each, 19 inches by 23*:—

No. 1. From Herat to Jeja.
2. From Jeja to Dilaram.
3. From Dilaram to Koosh ke Nukhood.
4. From Koosk ke Nukhood to Teerundaz Minar.
5. From Teerundaz Minar to Chuhardeh.
6. From Chuhardeh to Tezee.
7. From Tezee to Lalpoor.

*** Besides the routes of Dr. J. G. Gerard in 1833, the maps also exhibit the route of Mr. Forster in 1783. The names of Tribes and Districts are distinctly introduced, and the Natural Features and Products of the country are abundantly denoted. There are also lengthy Remarks on the cities and other objects of special interest. MSS.

Memoir of a MAP constructed from the late Dr. J. G. GERARD'S JOURNAL of his ROUTE through AFGHANISTAN from HERAT to PESHAWUR. By A. Gerard, Captain, B.N.I. 1833. On 20 pages, fcap. MS.

Sir Alex. Burnes' Missions.

REPORTS and PAPERS, Political, Geographical, and Commercial, submitted to Government, by Sir A. Burnes, Lieut. Leech, Dr. Lord, and Lieut. Wood, employed on Missions in the years 1835, '36, and '37, in Scinde, Affghanistan, and adjacent countries. Printed by order of Government. Calcutta, 1839.

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Political.

No. 1. On the political power of the Sikhs beyond the Indus. By Captain Burnes.
2. On the Persian faction in Cabool.
3. Supplemental paper on the Persian faction in Cabool.
4. On the political state of Cabool.
5. Views and prospects of Russia in Central Asia, particularly towards Khiva and Herat.
6. Views and prospects of Russia, particularly towards Kokan.
7. Views and prospects of Russia and Persia towards Candahar.
8. On Herat, with a sketch of the state of affairs in the surrounding countries.
9. Supplementary notice on the States of Toorkistan.
10. Notice on the affairs of Candahar in 1838, with a sketch of the preceding Dooranee History. By Lieut. R. Leech.
11. Report on the Sindhian, Khelat, and Daoodputr armies, with a collection of Routes. By Lieut. R. Leech.
12. A memoir on the Uzbek State of Kundooz, and the power of its present ruler Mahomed Murad Beg.

Geographical.

No. 1. A geographical notice of the south side of the valley of the Cabool River &c. By Lieut. John Wood.
2. Description of the Khyber Pass, and of the tribes inhabiting it. By Lieut. R. Leech.

3. Description of the passage of the Indus at Attock by a bridge of boats. By Lieut. R. Leech.
4. Description of the system of fords of the River Indus. By Lieut. R. Leech.
5. Suvey of the road between Cabool and Toorkistan.
6. Memoirs to accompany a reconnoitring survey of the road from Cabool to Toorkistan, by the line of Bumean and the Pass of Hajeyuk. By Lieut. John Wood.
7. Description of the passes over the Hindoo Koosh range of mountains, from the Koh Duman of Cabool. By Lieut. R. Leech.
8. Some account of a visit to the Plain of Koh-i-Damun, the mining district of Ghorbund, and the Pass of the Hindu Kush, &c. By P. B. Lord, M.D.
9. Medical memoir of the Plain of the Indus. By P. B. Lord, M.D.
10. On the Siah-posh Kaffirs, with specimens of their language and costume. By Captain Burnes.
11. On the localities of coal near the Indus. By Captain A. Burnes.
12. Grammars of the Brahoeekee, Beeloochee, and Punjabee languages. By Lieut. R. Leech.
13. A description of the country of Seisthan. By Lieut. R. Leech.
14. Account of the Tribe of Taimanee and their country. By Lieut. R. Leech.
15. Memorandum regarding books and papers of the late Mr. Moorcroft. By Mr. Lord.

Commercial.

No. 1. Navigation of the Indus. On the ports or accessible mouths of the Indus. By Captain Alex. Burnes.
2. On the commerce of Tatta in Sinde.
3. On the commerce of Hydrabad and the Lower Indus. By Capt. Alex. Burnes.
4. On the commerce of Shikarpoor and Upper Sinde. By Capt. A. Burnes. With a report of a visit to the three cloth-manufacturing towns of Ranipoor, Gambat, and Koda; and on the trade of Khairpoor, in Sinde.
5. Sketch of the trade of the port of Maudavie or Madai, in Cutch. By Lieut. R. Leech.
6. Commercial information regarding Bhawal Khan's country. By Lieut. Leech.
7. On the trade of Bahawalpur. By Munshi Mohun Lal.
8. Report on the commerce of Multan. A short notice of Leia. Report on the trade between Shikarpoor and Herat. By Lieut. R. Leech.
9. On the trade of the Upper Indus or Derajat. By Capt. Alex. Burnes.
10. Notice on the wool of Cabool and Bokhara. By Capt. Alex. Burnes.
11. Report on the establishment or fair for the Indus trade. By Capt. Alex. Burnes.
12. Prospects of trade with Turkistan, in reference to the contemplated establishment of an annual fair on the banks of the Indus. By P. B. Lord, Esq.
13. Description of articles, mostly Russian, found in the bazaar of Cabool, and brought to it by way of Bokhara. By Nowrozjee Furdoonjee.
14. Report on the weights, measures, and coins of Cabool and Bokhara. By Nowrozjee Furdoonjee.

Appendix. Lists of specimens of articles of commerce and trade submitted by the officers employed on missions in Scinde, Affghanistan, and adjacent countries in 1835, '36, '37.

In one vol. fcap. folio, stiff covers.

An ATLAS of the ROUTE of CAPTAIN ALEX. BURNES' MISSION to CAUBUL, from the KHYBER PASS to the HINDOO KOOSH, with a plan of the bridge of boats across the Indus at Attock. No title. Reports and papers, followed by maps in one folio atlas, half bound. MSS.

I. *A list of the Manuscripts, Reports, and Papers.**

Description of the Passage of the Indus at Attock by a bridge of boats, to accompany the plan. By Lieut. R. Leech.

Description of the System of Fords of the River Indus. To accompany the plan. By Lieut. R. Leech.

A Geographical Notice of the South side of the Cabool River, with the topography of a route leading from Khyber to Cabool. By Lieut. John Wood, I.N. 1837.

Memoir to accompany a Reconnoitring Survey of the Road from Cabool to Toorkistan, by the line of Bamian and the pass of Hajeyak. By Lieut. J. Wood, I.N.

Description of the Passes over the Hindoo Coosh Range of Mountains from the Koh Daman district of Cabool. To accompany the survey. By Lieut. R. Leech. An Appendix containing:—

No. 1. Route from Cabool to Farajghan the mart of Caferisthan.
„ 2. Route from Jalalabad to Farajghan.
„ 3. Route from Jalalabad to Cashgar.
„ 4. Route from Jalalabad to Cashgar, viâ Coonad.
„ 5. Route from Dera Ghazee Khan to Candhar through the Sakhee Sarwar pass.
„ 6. The Sangad or Buzdar pass joining the former at Raknees.
„ 7. Route from Dera Ghazee Khan to Candahar through Mohavee or Boree pass.
„ 8. Caravan route from Dera Deen Panak to Candahar through the Hyab or Wahooa pass.
„ 9. Road from Tal to Shikarpoor through the mountains, difficult for led horses.
„ 10. The Jawan road from Candahar to Bibee Manee in the Bulan pass.
„ 11. Caravan Route from Ghaznee to Leia by the Gomal or Gholaree pass.

II. *A list of the Maps.*

I. Plan of the Bridge of Boats thrown across the Indus at Attock; with figures showing their construction by Lieut. R. Leech.

II., III., IV. Route of Capt. Alex. Burnes' Mission from the Khyber pass to Kabool, 1837. No. 1, Duka to Synoo: No. 2, Synoo to the Soorkh Road; No. 3, from Soorkh Road to Cabool.

V. Reconnoitring Survey of the Khyber Pass from Jamrood to Dacca, by Lieut. R. Leech. Maps, sections, and sketches.

VI. View of Suffeid Koh from Burroo.

VII., IX., X. Reconnoitring Survey of the Road from Cabool into Toorkistan, by Lieut. J. Wood, I.N. No. 1, 2, 3 sheets.

XI. Reconnoitring Survey of Parts of the Koushan and Ghorband passes of Hindoo Koosh, by Lieut. R. Leech.

The ROUTES of CAPT. ALEXANDER BURNES from Attock on the Indus, through Afghanistan, Turkistan, and Persia. The original drawings by Lieut. J. Wood, without title or date. *Scale*, 8 *miles to* 1 *inch*. MSS.

Sheet 1. Missing.
2. Attock, Cabool, and the Bameean pass.
3. The northern end of the Bamean pass, Khooloom, Balkh, and the Oxus river.
4. The canals of Balkh, the Oxus river, Bokhara, and Charjooee.
5. Charjooe, Merve, &c.
6. Shurukhs, the Durbund pass, Meshed, Boojnoord.

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* These are included in the printed collection of Burnes' Reports.

7. Boojnoord, Astrabad, the Caspian Sea.
8. The Caspian to Tehran, &c. south of Tehran, the route is set off on a direct line only to Ispahan.
9. Isfahan with routes from Tehran to Shiraz laid down in a direct line only.
10. Shiraz to Bushire, with a direct line only for the route.

ROUTE of CAPT. ALEX. BURNES' Mission from the Khyber pass to Kabool. 1837. By Lieut. J. Wood. *Scale, 2 miles to 1 inch.*

No. 1. Duka to Synnoo.
„ 2. Synoo to Soorkh Rood.
„ 3. Soorkh Rood to Cabool.

Survey of the ROUTES from PESHAWAR to BAMIAN, by Lieuts. R. Leech and J. Wood. *Scale, 5 miles to 1 inch; size, 36 inches by 73.*

*** With 22 vertical sections of the Khyber pass, 38 sections of the Hindoo Koosh, and 24 sections on the Bameean route. Also views of Aly Musjid and Landee Khana in the Khyber pass, and of the Hindoo Koosh from Kata Sang. MS.

A RECONNOITRING SURVEY of the ROAD from CABOOL into Toorkistan, by the idols of Bamian and pass of Hageyuk. By Lieut. J. Wood, Ind. Navy. *Scale, 2 miles to 1 inch.*

No. 1. Cabool to Sirchushma. With vertical sections and notes on the passes, Nos. 1, 2, 3.
„ 2. Sirchushma to Gooljatooe. With vertical sections and notes. Nos. 4, 5, 6, 7.
„ 3. Gooljatooe to Bamian. With vertical sections and notes. Nos. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24. On 2 sheets. Also a neat copy on 1 sheet.
„ 4. Bamian to Syghan. With vertical sections and notes. Nos. 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38. On 2 sheets.
„ 5. Syghan to Mather. With vertical sections and notes. Nos. 39, 40. On 2 sheets.
„ 6. Mather to Rooee. With vertical sections and notes. Nos. 41, 42, 43, 44, 45, 46, 47, 48, 49. On 2 sheets.
„ 7. Rooee to Ghazi Murgh. With vertical sections and notes. Nos. 50, 51, 52, 53, 54.

MSS.

A RECONNOITRING SURVEY of the KHAWK PASS and PANCHSHIR VALLEY, the most easterly and best route between Kabul and Turkestan. By Lieut. John Wood, I.N. 1841. *Scale, 2 miles to 1 inch.* With 3 vertical sections of passes, and remarks. *Size, 22 inches by 29.*

Lieut. Wood's Exploration of the Oxus, &c.

Map of the UPPER VALLEY of the RIVER OXUS from Koondooz to its source, showing the new ground explored by Lieut. J. Wood, Indian Navy, in 1837–38. *Scale, 12 miles to 1 inch; size, 24 inches by 45.* MS.

A map of the HINDOO KOOSH including on the North the Valley of the Upper Oxus, from lake Victoria to Balkh; and on the South the Caubul River, and affluents from Ghuznee to Attock, &c. No title or date. (1840?) *Scale, 8 miles to 1 inch; size, 37 inches by 50.* MS.

INDUS, CAUBUL, and OXUS RIVERS. Wood's original Field Books in 4 vols., 4to half bound, 1837–38. MS.

ASTRONOMICAL OBSERVATIONS in KOONDOOZ and AFGHANISTAN and on the INDUS. Meridian altitudes and time worked out 1838. At Ist Kashn, Jerm, Koondooz, Huzeerat Imaum, lake Sirikol, Surgus Keesh in Wachan, Do-aub N. of Hindoo Koosh, and Cabul. No title. By Lieut. Wood, On 33 pages, fcap., unbound. MS.

Field book from KHYBER PASS to KABOOL. 4to. Incomplete. MS.

Survey of the CABOOL RIVER from its mouth to Mutchne, by Mr. Noel, Assistant to Mr. Leech. Aug. 1837. 15 pages, 4to., sewed. MS.

General Maps, &c.

A Map of the KINGDOM of CAUBUL and some of the NEIGHBOURING COUNTRIES, altered from a Map constructed in the year 1809, by Lieut. John Macartney, 5th Regt. Bengal Native Cavalry. A new edition redrawn and engraved with considerable improvements. London, 1838. *Scale*, 40 *miles to* 1 *inch ; size*, 26 *inches by* 31.

GEOGRAPHICAL MEMOIR to accompany papers respecting Affghanistan and Persia. Printed [in Lithographic writing] by Order of the House of Commons. 1839. Fcap. folio, stiff cover.

Skeleton Map of AFGHANISTAN and the Countries on the NORTH-WEST FRONTIER of INDIA, showing the principal routes and passes. By John Walker, Geographer to the East India Company. 1840. *Scale*, 32 *miles to* 1 *inch ; size*, 32 *inches by* 27.

Map of AFFGHANISTAN compiled in the office of the Surveyor General of India. Calcutta, 1840. *Scale*, 8 *miles to* 1 *inch*. With a list of documentary authorities, and a table of positions, a vocabulary, and notes. *On* 15 *sheets ; size of each*, 31 *inches by* 20. With numerous descriptive notes, many of which are signed E. P. (Eldred Pottinger); also a list of the documents used in its construction; a table of astronomical positions; and a vocabulary of Turkish and Persian words.

Also a MS. copy of the original drawing in four parts.

Surveys and Maps by the Army of the Indus.

Map of the ROUTE of the ARMY of the INDUS :—

From Ferozepoor to Sukkur	By Lieuts. Anderson and Durand, Bengal Engrs.
„ Sukkur to Candahar	
„ Candahar to Caubul	
„ Caubul to Ferozepoor and Kurnaul	
„ Candahar to Girishk	
„ Caubul to Bameean	By Lieut. Sturt, Beng. Eng.
„ Ghuzni to Dera Ishmael Khan	By Lieut. Broadfoot, Beng. Eng.
„ Quettah to Kelat and Gundava	By Capt. Peat, Bombay Eng.

Scale, 10 *miles to* 1 *inch ; on* 2 *large sheets* ; *size*, 60 *inches by* 52. No date. (1841.) MS.

The ORIGINAL DRAWINGS of ROUTE SURVEYS by Lieuts. Anderson and Durand, with the Army of the Indus. No dates. (1841.) *Scale*, 2 *miles to* 1 *inch*. On sheets of letter paper :—

Sukkur towards Shikarpoor. 2 sheets.
Shikarpoor to Quetta. Sheets 1, 2, 4, 5 6, 7, 9, 9*a*, 11.
Quetta to Candahar. 12 sheets.
Candahar to Ghuznee. 4 sheets.
Lake Abistaduh to Hydurzye. 1 sheet.
Route on Sogurh and Zoormal, south of Caubul. 1 sheet.

RECORD BOOK of OBSERVATIONS (in Afghanistan and on the Western Frontier of India). Kurnal, Nov. 3rd 1838; Candahar, Ghiznee, Cabul, August 1839; Peshawur, Nov. 1839; Lahore, Dec. 1839.—BAROMETRICAL OBSERVATIONS by W. Griffith, Candahar, Ghiznee, Cabul, &c. 1839.—TABLE of LATITUDE and LONGITUDE of PLACES on the route; being elements for the map of the route of the army of the Indus.—MEMORANDUM on CONSTRUCTION of the MAP of the ROUTE of the ARMY of the INDUS. By T. M. Durand, Engineers. 1841. No title. In one vol. fcap. bound with clasps. MS.

Map of AFGHANISTAN, compiled from all available sources in the Quartermaster General's Office, Simla, 1871. (By L. A. Smith, Head Draftsman.) Published at the Surveyor-General's Office, Calcutta, 1872. *Scale*, 16 *miles to* 1 *inch; on* 2 *sheets; size*, 36 *inches by* 56.

Map to illustrate a Memorandum on AFGHAN-TURKISTAN, by J. Talboys Wheeler, Assist. Sec., Foreign Dept., Government of India. 1869. *Scale*, 16 *miles to* 1 *inch; on* 4 *sheets; size*, 34 *inches by* 52.

MS. Maps of Military Surveys in Sinde, Beluchistan, and Afghanistan made by the Quartermaster-General's Department of the Bombay Division of the Army of the Indus under Lieut-Col. Neil Campbell, 1838–'39–'40.

1.

SURVEY of SINDE, part of BELOOCHISTAN and AFGHANISTAN principally by the Qr. Mr. General's Department, and showing the routes marched by the Bombay Division of the Army of the Indus, from the mouth of the Indus to and from Kabool in the years 1838, '39, and '40. *Scale*, 16 *miles to* 1 *inch; size*, 55 *inches by* 26.

*** With a list of altitudes. MS.

2.

Map of CUTCHEE with parts of Beloochistan and UPPER SCINDE including the Bolan and Moora or Gundava Passes. 1845. *Scale*, 8 *miles to* 1 *inch; size*, 27 *inches by* 28. MS.

*** With a list of authorities.

3.

Survey of the COUNTRY between QUETTA and KELAT including the Bolan and Gundava Passes. 1840. *Scale*, 4 *miles to* 1 *inch; size*, 45 *inches by* 30. MS.

*** With a list of heights.

4.

A SURVEY of the two DIRECT ROUTES through the JHALLAWAN STATES of BELOOCHISTAN leading from Kelat to Sonmeeanee. Surveyed by Major La Messurier and Lieut. Robertson. *Scale*, 4 *miles to* 1 *inch; size*, 70 *inches by* 21. MS.

*** With a vertical section of the country between Kelat and Sonmeeanee viâ Soorab, Bagwana, Wudd, Buran, Lukh, and Beila; a list of the Jhallawan tribes; and notes.

5.

SURVEY of part of BELOOCHISTAN including Cutchee and part of Upper Scind. Compiled from the late surveys of the Qr. Mr. General's department and those of the superintendent of the Scinde Survey. 1842. *Scale*, 4 *miles to* 1 *inch; size*, 50 *inches by* 39. MS.

6.

RECONNOITRING SURVEY of the BOLAN PASS. By Lieut. H. M. Durand. 1840. *Scale,* 2 *miles to* 1 *inch; size,* 39 *inches by* 17. MS.

7.

SURVEY of the COUNTRY between GHUZNEE and QUETTAH showing the routes marched by the Bombay Troops. 1840. *Scale,* 4 *miles to* 1 *inch; size,* 58 *inches by* 23. MS.

8.

ROUTE from DADUR to KHUNDAR (Kandahar) Surveyed by the Qr. Mr. General's department, 11th June 1839. *Scale,* 4 *miles to* 1 *inch; size,* 39 *inches by* 28. MS.

9.

SURVEY of the COUNTRY between KUND'HAR (Kandahar) and Kabul, including a route to Girishk, taken during the march of the Army of the Indus by the Qr. Mr. General's Department, Bombay Establishment. *Scale,* 4 *miles to* 1 *inch on three sheets.* MS.

Also a copy on tracing cloth.

10.

Rough PLAN of the FORT of KILAT-I-GHILZIE with an elevation of the South Front. *Scale,* 45 *yards to* 1 *inch; size,* 11 *inches by* 10. MS.

11.

ROUTE from KHUNDHAR (Kandahar) to HEERAT, with a Sketch of the country round Giriskh. Surveyed by C. North, Lieut. Bombay Engrs. *Scale,* 4 *miles to* 1 *inch; on two sheets.* MSS.

12.

SURVEY of part of AFGHANISTAN to accompany a journal from Yezd to Herat, also showing, the route from Kandhar to Cabool marched by the Army of the Indus. 1839. *Scale,* 16 *miles to* 1 *inch; size,* 25 *inches by* 79. MS.

13.

Survey around KABOOL including the Koh-i-Damaun and part of the Loghur districts. *Scale,* 1 *mile to* 1 *inch; size,* 40 *inches by* 27. MS.

14.

Survey through SCINDE, BELOOCHISTAN, KHORASSAN to KUNDHAR, being the route of the Bombay division of the Army of the Indus under the personal command of Lieut. General Sir John Keane, K.C.B., G.C.H. By the Qr. Mr. General's department. *Scale,* 10 *miles to* 1 *inch; size,* 63 *inches by* 17. MS.

MILITARY SURVEYS and COMPILATIONS by Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army of Bengal, 1838-40.

1. Map of the Western States of India and of Afghanistan including parts of Beloochistan and Turkistan containing the latest surveys made before the evacuation of the British troops of Candahar and Cabool. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army. *Scale,* 16 *miles to* 1 *inch; size,* 5 *feet by* 6. Mounted on roller. With a Memoir, &c. Fcap. 14 pages. Original MS.

2. Map of the Country North and West of Candahar. *On 12 sheets ; scale, 8 miles to 1 inch; with a general map of the same on 1 sheet, reduced to 16 miles to 1 inch.* By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838–40. *Size of each sheet, 23 inches by 16.* MSS.
3. The Bolan Pass. By Lieut. Wm. Fraser Tytler. 1838–40. *Size, 16 inches by 22.* MS.
4. A Plan of Kulat-i-Nusseer Khan (Kelat) taken Nov. 1840 with sections. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. *Scale, 250 feet to 1 inch; size, 13 inches by 16.* MS.
5. A plan of the City of Kandahar. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Size, 16 inches by 22.* MS.
6. A plan of the Town of Ghuznee. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838–40. *Scale, 60 yards to 1 inch; size, 16 inches by 22.* MS.
7. A map of the country around Herat. By Lieut. Wm. Fraser Tytler. 1838–40. *Size, 16 inches by 22.* MS.
8. Kurrachee to Kulat from the surveys of two Bombay officers. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838–40. *Scale, 16 miles to 1 inch; size, 30 inches by 17.* MS.
9. Killat to Candahar and Killat-i-Ghilzie. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838–40. *Size, 30 inches by 21.* MS.
10. Killat-i-Ghilzie to Logur and Caubool River. By Lieut. Wm. Fraser Tytler. 1838–40. *Size, 30 inches by 21.* MS.
11. Hyderzaee (near Quetta) to Ghuznee. By Lieut. Wm. Fraser Tytler. 1838–40. *Size, 30 inches by 21.* MS.
12. Routes from Kulat-i-Ghilzaee northward to the Argundab River, along the Turnak River, and to Abistadeh Lake. *Size, 21 inches by 30.* MS.
13. Memoir of a map of North Western India (including Afghanistan, &c.) compiled and drawn by Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army of Bengal. With correspondence. Fcap. MS. With a rough Memorandum on Passes between the rivers Gurnuk and Argundab, near Candahar. 4to. MS.

Route of the BRITISH MISSION proceeding from KANDAHAR to HERAT in June and July, A.D. 1839. Surveyed by Capt. Edward Sanders, Bengal Engineers, and Lieut. North, Bombay Engineers. *Scale, 12 miles to 1 inch.*

Map of the COUNTRY to the Northward of KANDAHAR. Surveyed by Major Sanders and Lieut. North, of Engineers, when serving under the orders of Major-General Nott in 1841 and 1842. *Scale, 4 miles to 1 inch; size, 30 inches by 22.* MS.

*** With a list of positions observed for latitude.

Journey in the VALLEY of the ARGANDAB. By General E. P. Lynch, K.L.S., in Sept. 1841. Fcap., 17 pages. MS.

A Map of AFGHAUNISTAN, CAUBUL, the PUNJAB, RAJPOOTANA, and the RIVER INDUS. By James Wyld. London, 1842. *Scale, 45 miles to 1 inch; size, 24 inches by 32.*

Tracing of a MS. SKETCH in the COLLECTION of the ROYAL GEOGRAPHICAL SOCIETY, of a part of Afghanistan, North of Candahar. By Capt. Sanders, B.E.? 1844? *Size, 10 inches by 13.*

МАРШРЬМЯ * * * Route Map from Herat to Obé and back through Kurukh to Herat. Surveyed in 1858. *Scale, 2 Russian versts to 1 inch; size, 36 inches by 54.*

*** A tracing from a Russian Manuscript Map lent to Mr. Markham by Mr. de Khanikoff in 1871; with a list of the Russian names transliterated by Mr. Michell.

Map illustrating the Havildar's Route through AFGHANISTAN, KOLAB, and DARWAZ; and the Mullah's Route from JALALABAD to SARHAD-I-WAHTAN. 1873–74. *Scale*, 16 *miles to* 1 *inch; size*, 27 *by* 40.

Seistan.

A MS. Map on tracing paper of the ROUTE from TEHERAN through MESHED to HERAT, and from HERAT to MEIMANA, ANDE-KHOYE, BALKH, KHOULM, KORRAM, SERPEUL, thence Southward to ZERNI, and thence North-westward back to HERAT; also routes from Herat to Ferrah, Lake Seistan, Girrisk, and Kandahar. *Scale*, 40 *miles to* 1 *inch; size*, 15 *inches by* 31.

Map of SISTAN, to accompany Memorandum, dated May 22nd, 1872, by Major-General Sir Frederick Goldsmid, K.C.S.I. and C.B. *Scale*, 4 *miles to* 1 *inch; size*, 32 *inches by* 32.

Also an enlargement of part of the preceding Map, including LAKE SEISTAN, FERRAH, and CANDAHAR, with the following note:—"Le décalque "de la carte n'étant pas très clair pour les environs de l'Hermend, j'y ai joint ce "supplément qu'on pourra consulter pour les noms seulement; car, pour le reste, "il y a des inexactitudes." J. P. Ferr. (General Ferrier). *Scale, about* 25 *miles to* 1 *inch; size*, 8 *inches by* 15.

A copy of a Map of SEISTAN, compiled in the Quartermaster-General's Office (Simla) from various sources, and supplied to F. R. Pollock, Lieut. Col., Commissioner at Peshawur. *Scale*, 8 *miles to* 1 *inch; size*, 46 *inches by* 39.

*** *See* a Description of Seisthan, by Lieut. R. Leech, page 475.

Also a photographed reduction of the same to about one-fourth of the size.

Sketch of a ROUTE through SEISTAN, KHORASAN (Herat), and a part of PERSIA. Performed under the orders of Brigadier-General Malcolm by Lieut. Christie of the Bombay Military Establishment. A.D. 1810. *Scale*, 20 *miles to* 1 *inch; size*, 23 *inches by* 39 MS.

Sketch Map of the SISTAN BOUNDARY. 1872. By Major Beresford Lovett, R.E. *Scale*, 16 *miles to* 1 *inch; size*, 28 *inches by* 20.

BALUCHISTAN.

Under H. H. the Khan of Kelat, with the Governor-General's Political Agent.

Sketch of a ROUTE through BALOOCHISTAN and a part of MEKRAN and PERSIA, performed under the orders of Brigadier-General Malcolm by Lieut. Henry Pottinger, of the Bombay Military Establishment. A.D. 1810. *Scale*, 15 *miles to* 1 *inch; size*, 26 *inches by* 51. MS.

*** The explorer's route is traced in this original drawing from Sonmeeanee, through Kelat to Shiraz.

The WESTERN PARTS of MAKRAN. By Capt. Grant. 1811. *Scale*, 15 *miles to* 1 *inch; size*, 18 *inches by* 29. MS.

*** The route explored by Capt. Grant is defined by a red line.

A Map of BELOOCHISTAN, drawn on tracing cloth and coloured in political divisions, with the forts distinguished, and also the positions held by the Khan of Khelat and the Persian troops in 1856. No title or date. *Scale*, 1 *degree to* 1 *inch; size*, 8 *inches by* 10. MS.

A tracing of a Map of the COUNTRY including KURACHEE and KELAT. *Size*, 10 *inches by* 7.

A COMPILATION from the under-mentioned MAPS, &c. Survey of Passes on the Jhalawan Frontier, by Capt. Le Mesurier; Map of Cutchee, by General Jacob and Quartermaster-General's Department; District of Deyra Gazee Khan, by Capt. Johnstone, 1855, '56, '57; Revenue Survey Map, by Capt. Macdonald; Surveys by Major M. Green. Signed Malcolm Green, Major, Jacobabad, June 3, 1863. *Scale,* 8 *miles to* 1 *inch; size,* 24 *inches by* 32.

Bokhara, Kabool, BELOOCHISTAN, &c. Society for the Diffusion of Useful Knowledge. *Scale,* 1 *degree to* 1 *inch; size,* 17 *inches by* 14. Two editions.

Plan of the VALLEY of KHELAT and of the Route of a squadron 2nd Sinde Horse from Khelat to Kirta in the Bolan Pass, viâ Moostung and the Rodbar Pass. Surveyed by Malcolm Green, Major Commanding 2nd Royal Sinde Horse. Reduced in the Q.M.G. office from the original plan. Poona, Feb. 1861. *Scale,* 4 *miles to* 1 *inch; size,* 27 *inches by* 20. MS., on tracing cloth.

Rough MILITARY SURVEY of the COUNTRY bordering on TWO ROUTES from KHELAT to GWUJJUCK in Beloochistan, the one direct viâ Shorab, Koduk, &c. and the other by a dètour to the eastward through Kozdar, Nal, &c. Surveyed by Major Malcolm Green, 16th Regt. Bomb. N.I. Reduced and lithographed in Q.M.G. office, Poona, 1861. *Scale,* 4 *miles to* 1 *inch; size,* 45 *inches by* 22. With Itineraries of the Routes from Khelat to Zeedee, Kozdar to Gwujjuk, and Gujjur to Khelat. Folded in a cover; *size,* 12 *inches by* 9.

*** The Valley of Gressia in the map is identified by the author with the ancient Gedrosia. See also, extensive ruins near Gwujjuck.

A LIST of POSITIONS on the BELOOCH-AFGHAN FRONTIER observed by Colonel Malcolm Green. On 2 sheets, fcp. MS.

MILITARY RECONNOISSANCE Map of the SHUM, BOHR, PHYLAWUR, CHUT, and SIAH-TUNK PLAINS, and country West of the RAJUNPORE FRONTIER, surveyed and drawn by Major W. H. Paget, Commandant 5th Punjab Cavalry. Rajunpore, June 1, 1868. A reduced photograph of the original, presented by Colonel Sir Henry Green. *Size,* 9 *inches by* 6.

The BOOGTEE HILLS, routes from KHANGHUR (Jacobabad). By Lieut. Fraser Tytler. 1840. *Size,* 8 *inches by* 13. MS.

TOPOGRAPHICAL and GEOLOGICAL SKETCHES of the Province of SARAWAN, or the northern portion of the table-land of Beloochistan; the Province of Jhalawan; and the Eastern Division of Mekran. By Assistant Surgeon H. Cook, M.D., Khelat Agency. 1860. 8vo., cloth.

MEKRAN COAST, KURRACHEE to GUADUR, with Lieut. Ross's Route from Guadur to Kurrachee. *Scale,* 13½ *miles to* 1 *inch; size,* 14 *inches by* 21.

*** With a report on a visit to Kej, &c., 1865.

MEKRAN COAST, SUNMIANI to JASK; with Major Ross's route from Bela through Kolwah and the Kej Valley. Also the territory under Muscat, Belooch chiefs' tributary to Persia, &c. The original drawing by Major E. C. Ross. *Scale,* 20 *miles to* 1 *inch; size,* 15 *inches by* 29. MS.

Map of the COAST from KURRACHEE to GUADUR showing the route traversed by Major Goldsmid and party. *Scale,* 10 *miles to* 1 *inch; size,* 20 *inches by* 34. MS. on tracing cloth.

Sketch of the COAST between KURRACHEE and BUNDER ABBAS, showing the site proposed by Major Goldsmid for the intended line of telegraph and stations; and the Extent of Territory ruled by each Chieftain. *Scale,* 16 *miles to* 1 *inch; size,* 28 *inches by* 36. MS. on tracing cloth.

A part of BELOOCHISTAN with part of MEKRAN and the PERSO-BELOOCH BOUNDARY drawn and compiled by Capt. Beresford Lovett,

R.E. attached to the special mission to Mekran under Major General F. J. Goldsmid, C.B. From actual surveys by Major E. C. Ross, Assistant Political Agent, Gwadur; Capt. Beresford Lovett, R.E., and Quartermaster Serjeant D. Bower, R.E. *Scale*, 8 *miles to* 1 *inch; size*, 26 *inches by* 30.

*** Lithographed from tracings entitled "Beluchistan, comprising Mekran and the Perso-Beluch Boundary."

Survey of the BOLAN PASS, with a Sketch of the Pass near Kuftaree. By the Quartermaster-General's Department. 17th April 1839. *Scale*, 2 *miles to* 1 *inch; size*, 20 *inches by* 22. MS.

Survey of the Country above the Passes from QUETTA to KELAT, with the route to Noshky, from the surveys of Major Le Mesurier and Capt. Boyd, Acting Asst. Q. M. Gen., S.E. 1842. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 31. On tracing cloth. MS.

A Survey of the Entrances of the Passes on the JALAWAN FRONTIER, from Jhull to the Bolan Pass; also a survey of Eastern and Western CUTCHEE. From the surveys of Capt. Le Mesurier, Lieut. Jacob, and J. G. Fernandez, Surveyor; superintended by Major Holland, Deputy Q.M.G. of the Army, and Capt. Boyd, Acting Asst. Q.M.G., S.F., 1842. *Scale*, 4 *miles to* 1 *inch; size*, 30 *inches by* 48. Copied on tracing cloth at the Q.M.G. Office, Puna, 1875. MS.

Map of the TERRITORIES of the Hill Tribes on the RAJUN-PORE FRONTIER. Compiled by Messrs. R. Bruce, Asst. Commissioner, and E. James, Asst. Engineer, D.P.W. 1869. S.G.O., Calcutta, 1870. *Scale*, 6 *miles to* 1 *inch; size*, 36 *inches by* 25.

Reconnaisance Sketch of the MOOLLA PASS. 1872. By Lieut. Maitland, 2nd Sind Horse. Copied at the Q.M.G. Office, Poona, June, 1876. *Scale*, 1 *mile to* 1 *inch*. On three narrow lengths of tracing cloth. MS.

Sketch of portion of the MARI and BUGTI TERRITORIES, by J. Davidson, Capt., 3rd Punjaub Cavalry. Copied in the Q.M.G. Office, Simla, April 1876. *Scale*, 4 *miles to* 1 *inch; size*, 25 *inches by* 39. On tracing cloth. MS.

Survey of route taken by Major Sandeman's Mission into BILU-CHISTAN. 1875–76. By Capt. H. Wylie, 1st Punjab Cavalry. *Scale*, 4 *miles to* 1 *inch; size*, 24 *inches by* 58. Photo. of MS.

*** From the Rajanpur District, through the Bugti and Mari country to Quetta and Kelat.

Map of WESTERN BELUCHISTAN. Compiled by order of H.M. Secretary of State for India, to show the Western Frontier of the territories of the Khan of Kalat, as determined by the Frontier Commission under Major-General Sir Frederic J. Goldsmid, C.B., K.C.S.I. By Major O. B. C. St. John, R.E. 1874. *Scale*, 8 *miles* to 1 *inch; on* 4 *sheets; size of each*, 22 *inches by* 30.

Unfinished Skeleton Map of the TERRITORIES of His Highness the Khan of KELAT or BALUCHISTAN, with the adjacent portions of Sindh, the Punjab, Afghanistan, and Persia. 1876. Compiled in the Office of the Surveyor-General of India, Calcutta, May 1876. *Scale*, 16 *miles to* 1 *inch; on* 2 *sheets; size*, 34 *inches by* 44.

VII. PERSIA.

A new Map of the EMPIRE of PERSIA from Mons. D'Anville, First Geographer to the most Christian King, with several additions and emendations. London, Laurie and Whittle, 1794.

INDIÆ VETERIS QUATENUS MACEDONIBUS nota fuit finitimarumque regionum specimen geographicum situm ac nomina locorum recentioris ævi sub oculos subjiciens necnon Alexandri itinera intra Euphratem et

Hyphasin navigationem. Nearchi ab Indo flumine ostium usque Pasitigris. Auctor L. S. de la Rochette, 1793. Londini, 1797. ***Scale,*** **130** ***miles to*** **1** ***inch; size,*** **12** ***inches by*** **17.**

A Map of PERSIA showing the tract visited by Colonel Malcolm **during his mission in the year 1800 and 1801. Compiled from D'Anville's and other authorities. *_* The red marks show the geographical positions of the adjoining places, such as deduced from the astronomical observations taken by William Webbe and Silvester Pope who attended the Embassy.** ***Scale,*** **35** ***miles to*** **1** ***inch; size,*** **27** ***inches by*** **22.** Two MSS.

Map of PERSIA and countries lying between the Araxes, Tigris, **and Indus extending from latitude 23° to 40° north, and longitude 44° to 70° east. Constructed from the surveys which were taken, and the information collected during the mission of Bragadier-General Malcolm to Persia in the year 1810. By William Webbe, Assistant Surveyor. Signed, John Malcolm.** ***Scale,*** **23** ***miles to*** **1** ***inch; size,*** **58** ***inches by*** **76.** Original MS.

Map of the COUNTRIES lying between the EUPHRATES and **INDUS on the East and West, and the OXUS and TEREK and INDIAN OCEAN on the North and South. . . . By John Macdonald Kinneir. London, 1832.** ***Scale,*** **40** ***miles to*** **1** ***inch; size,*** **40** ***inches by*** **52.**

Another edition, lithographed at the Surveyor-General's Office, Cal**cutta, 1856. Persia, Cabul, &c. By J. Arrowsmith. London, 1832.** ***Scale,*** **70** ***miles to*** **1** ***inch; size,*** **22** ***inches by*** **26.**

DAS HOCHLAND von IRAN enthaltend die Staaten von Persien, **Afghanistan, and Beludschistan, ent. u. gez. von C. F. Weiland. Weimar, 1846.** ***Scale,*** **75** ***miles to*** **1** ***inch; size,*** **21** ***inches by*** **27.**

TABLE of LATITUDES, LONGITUDES, and ALTITUDES **in PERSIA and BELUCHISTAN. Compiled and corrected by Capt. O. St. John, R.E. 1875. 8vo., 10 pages, paper cover.**

PERSIA, compiled principally from original authorities. By Captain **(Local Major) O. B. C. St. John (Royal Engineers). By order of H.M. Secretary of State for India. 1876.** ***Scale,*** **16** ***miles to*** **1** ***inch; on*** **6** ***sheets; size of each,*** **40** ***inches by*** **27.**

North-Western Persia.

Map of AZERBAEEJAUN and part of ARMENIA and GEORGIA, **with the route of His Majesty's mission under Sir Harford Jones Brydges, Bart., Envoy Extraordinary, Minister Plenipotentiary to the Court of Persia in the years 1808–9, from Abooshehr to the North of Persia. Constructed chiefly from personal survey. The adjacent countries compiled from his own notes and the observations of the most recent travellers, &c., &c. By James Sutherland, Colonel, attached to the mission.** ***Scale,*** **10** ***miles to*** **1** ***inch; size,*** **52** ***inches by*** **32.**

Parts of GEORGIA and ARMENIA, the Persian provinces Azer**bijan, Talish, and Ghilan, from trigonometrical surveys by Lieut.-Col. W. Monteith, K.L.S., Madras Engineers, made between the years 1814 and 1828, and the Russian Provinces with the Caucasus from Russian official documents corrected by his personal observations. Engraved at the expense of the Royal Geographical Society. London, 1833.** ***Scale,*** **15** ***miles to*** **1** ***inch; size,*** **41** ***inches by*** **48.**

NOTES on the preceding MAP, viz.:—

1. **Letter from W. Monteith, Lieut.-Colonel, to P. Auber, Esq. (Secretary, India House), forwarding a map of the country between Sultanieh and the Caucasus.**
2. **Notes on the construction of Colonel Monteith's map of Azerbijan, with table of latitudes and longitudes, and observations.**

3. Letter from Colonel Monteith, forwarding a plan of the frontier between Persia and Russia, as defined in 1829, and description of the frontier. In one vol., fcap., bound and lettered on the back, "Notes on a Map of Persia."

Map of ADERBEIJAN, compiled principally from personal observations and surveys made in the years 1851–55 by N. Khanikof, and based upon all the points hitherto determined, principally the astronomical observations of Mr. Lemm and the Caucasian Triangulation. Drawn and engraved under the general direction of H. Kiepert, Berlin, 1862. *Scale*, 12 *miles to* 1 *inch ; size*, 22 *inches by* 24.

TURCO-PERSIAN FRONTIER. *See* page 489.

North-Eastern Persia.

A Map of the NORTH-EASTERN FRONTIERS of PERSIA, embracing also KHIVA and the intervening DESERTS. Compiled from the Surveys and Observations of Colonel Valentine Baker and Lieut. W. J. Gill, R.E., together with the recent Russian Surveys, and all other available documents. 1875. *Scale*, 30 *miles to* 1 *inch ; size*, 27 *inches by* 27.

A map of the NORTHERN FRONTIER of KHORASSAN, with parts of IRAK and MAZANDERAN, to illustrate reports by Captain the Hon. G. Napier, on special duty in Persia. Prepared by order of H.M. Secretary of State for India. 1876. *Scale*, 16 *miles to* 1 *inch ; size*, 40 *inches by* 27.

*** *See also* Royal Geographical Society's Journal, Vol. XLVI.

South-Western Persia.

Map of KHUZISTAN, compiled and lithographed under the direction of Major C. W. Wilson, R.E., F.R.S. War Office, 1875. *Scale*, 4 *miles to* 1 *inch ; size*, 24 *inches by* 32.

Bushire (Abu Shahr).

The seat of the British Political Resident for the Persian Gulf.

Rough SKETCH of BUSHIRE and its VICINITY. *Size*, 18 *inches by* 15.

Plan of BUSHIRE in 1853 with the Forts, and showing approximately the works since added. Made by Mids. A. W. Stiffe in 1853 under the orders of Lieut. Constable, I. N. *Size*, 15 *inches by* 10.

Rough SKETCH of the PENINSULA on which BUSHIRE is situated, showing the landing place and different positions of the force from the 7th to the 10th Dec. 1856, when the place surrendered. *Scale*, $1\frac{1}{2}$ *miles to* 1 *inch ; size*, 16 *inches by* 17.

SKETCH of the ATTACK on BUSHIRE, Dec. 10, 1856. *Scale*, 1,000 *yards to* 1 *inch ; size*, 14 *inches by* 12.

A SKETCH of BUSHIRE and its VICINITY. 1819. No title. *Scale*, 6 *miles to* 1 *inch ; size*, 17 *inches by* 11. MS.

Persian Plan of the Town and Fortifications of BUSHIRE, previous to the bombardment by the British in 1856. Signed, Felix Jones, British Political Resident in the Gulf of Persia, and Political Agent to the Persian Expeditionary Forces, 1856. *Size*, 19 *inches by* 23. MS.

ABU-SHAHR (Bushire) PENINSULA. By Lieut. A. W. Stiffe, H.M.I.N. *Scale*, 4,000 *feet to* 1 *inch ; size*, 40 *inches by* 27. MS.

The same, engraved, 1875.

NOTE.—This map is from a plane-table survey, based on a careful triangulation; the part north of the town, creeks, &c. are taken from the chart of the harbour by Commissioner Constable and Lieut. Stiffe. It is intended as an illustration of the Campaign of 1856–7 in the Peninsula.

Routes in Persia.

Sketch of LIEUT. SNODGRASS'S ROUTE from BUSHIRE to SHIRAZ viâ FERUZABAD. A.D. 1810. *Scale,* 20 *miles to* 1 *inch; size,* 12 *inches by* 16. MS.

Route of LIEUT. McDONALD, 12th N. I., and ENSIGN MONTEITH, Engineers. Performed by order of Brigadier-General Malcolm, Ambassador to the Court of Persia. (Between Bussora and Bushire, Shiraz and Dizful.) 1811. *Scale,* 8 *miles to* 1 *inch; size,* 20 *inches by* 28. Two MSS.

Route from ISFAHAN by KERMANSHAH to MURAGA, and return by HAMADAN. Performed under orders of Brigadier-General Malcolm by Lieut. E. Frederick, of the Bombay Military Establishment. A.D. 1810. *Scale,* 20 *miles to* 1 *inch; size,* 22 *inches by* 18. MS.

Itinerary from YEZD to HERAT and CABUL. Journal. 1826. Fcap., 74 pages. MS.

Map of a ROUTE from BUSHIRE to BAGHDAD. Dedicated to Captain Sir Charles Malcolm, R.N., by W. H. Wyburd, I.N. 1833. *Size,* 30 *inches by* 53. MS.

Sketch of a ROUTE between AHHAR and KAZVEEN viâ Mishkeen, Ardabeel, Talish, and Gheelan. By Elliott D'Arcy Todd, Lieut., Bengal Artillery, serving in Persia. January and February 1837. *Scale,* 6 *miles to* 1 *inch; size,* 21 *inches by* 39.

Sketch of part of MAZANDERAN and of part of the UPPER ROAD between TEHRAN and ASTRABAD, by E. D'Arcy Todd, Major, serving in Persia. 1837. *Scale,* 6 *miles to* 1 *inch; size,* 19 *inches by* 30.

Route of MARCH from BAGHDAD to TEHRAN during June and July 1857. Route of march from Tehran to Bushire viâ Ispahan, Shiraz, and the Huft Moola Pass, in April and May 1858. With notes, maps, and illustrations. By Lieut.-Colonel R. L. Taylor, late Commissioner of Herat. Fcap., unbound. MS.

Route of the SPECIAL MISSION to SEISTAN and MEKRAN. By Quartermaster-Serjeant David Bower, Royal Engineers. *Scale,* 8 *miles to* 1 *inch; size,* 26 *inches by* 88. Original MS.

Also a reduced photograph of the same. *Size,* 27 *inches by* 40.

Route Map of the SPECIAL MISSION to SEISTAN and MEKRAN from Ispahan to Gwadur by Quartermaster-Serjeant David Bower, Royal Engineers. To accompany the Journal of Capt. C. Bean Euan Smith, Personal Assistant to Major-General J. T. Goldsmid, C.B. 1870–71. *Scale,* 22 *miles to* 1 *inch; size,* 9 *inches by* 38.

*** Lithographed from the foregoing map.

Hormúz.

Map showing the position of HORMÚZ ISLAND, with reference to the Persian Coast, and the other Old European Settlements in the vicinity. From actual survey by A. W. Stiffe, late Lieut., I.N. With a fac-simile of the mediæval map of Hormúz in Astley's Collection; also an enlarged map and a view of Hormúz, &c. *Size,* 17 *inches by* 22.

Karak or Kharg.

A series of SIX DRAWINGS, by C. Walker, Lieut. Field Engineers, dated Camp, Kharg, 22nd July 1839, viz.:—

1. Sketch of the plain at the eastern extremity of the Island of Kharg.
2. Plan of the Island of Kharg, showing the position of proposed works.
3. Plan of the small fort at Kharg.

4. Plan of the large and small forts at Kharg. With sections and details.
5. The same reconstructed.
6. Details of proposed works.

Persian and Persian Gulf Telegraphs.

Map of the ROAD from TEHERAN to BUSHIRE, showing the direction and construction of the Anglo-Persian Telegraph from original survey by Captain O. St. John, R.E., based on astronomical observations, by Captains St. John and Pierson, R.E. *Scale,* 8 *miles to* 1 *inch; on* 3 *sheets; size,* 66 *inches by* 23.

GOVERNMENT INDO-EUROPEAN TELEGRAPH.—Mekran Coast Submarine Section, No. 1; Persian Gulf Submarine Sections, Nos. 2 and 3, 1864. Signed Richard Bradshaw, Commander, R.N. *Scale,* 10 *miles to* 1 *inch; on* 3 *sheets; size of each,* 26 *inches by* 45.

*** *See also* Mekran Maps, pages 483, 600.

Tracing showing the line of SOUNDINGS obtained by H.M.S. CYCLOPS between RAS-AL-HAD and KURRACHEE. By R. H. Harris, 2nd Master, Feb. 1859. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 55. MS.

Sheet 1. Outline of lower part of PERSIAN GULF, with soundings taken in "Johnston Castle"; also the track of the vessel and the best line for the cable. By W. Stiffe, Lieut. I.N. *Size,* 10 *inches by* 25.

Sheet 2. Outline of upper part of PERSIAN GULF, showing the soundings taken in "Johnston Castle." *Size,* 28 *inches by* 20.

MEKRAN COAST. Views of the land by Lieut. A. W. Chitty, H.M.I.N. Lithographed for use during the submersion of the Persian Gulf Cable. *Size,* 24 *inches by* 20.

Outline Chart of a PORTION of the MEKRAN COAST, from Ras Gwadel to Ras Jask; showing only such soundings as were taken on board H.M.S. "Victoria," I.N., to ascertain the best course upon which to lay down a submarine telegraph wire. By Lieut. A. W. Chitty, I.N. January 1863.

Chart of the COAST of PERSIA from KOOE MUBARRACK to KROTCHEY. Surveyed by Commander Brucks and Lieut. S.B.Haines, H.C.Marine, 1829. Reduced, on tracing cloth, from the printed Chart (*see* No. 45, page 591) in the Q. M. G. Office, Poona, 1861, and showing the track of the Telegraph Line from Krotchey (Karachi) to Gwadel. With a note on the political occupation of the territory. *Size,* 11 *inches by* 21. MS.

Persian Gulf.

A revised Map of 'OMÂN and the PERSIAN GULF, in which an attempt has been made to give a correct transliteration of the Arabic names. By the Rev. George Percy Badger, F.R.G.S. With a plan of Máskat and el Mátrah, and a view of the town of Múskat. *Scale of the map,* 40 *miles to* 1 *inch; size,* 22 *inches by* 30.

LIGHTS and RECORD BOOK of the Survey of the PERSIAN GULF from February to April 1829. By Capt. Haines, I.N. On 50 pages, fcap. MS.

MEMORANDUM on the recent Surveying Operations in the PERSIAN GULF in the E. I. C. Brig Euphrates, 1857–58, and H.M. Schooner Marie of the Indian Navy, 1858–60; with a brief review of the existing charts, and a table of maritime positions. By Commander C. G. Constable and Lieut. A. W. Stiffe, of H.M. Indian Navy. London, 1862. 8vo., 24 pages, sewed.

See also Charts, pages 598 to 600.

VIII. ASIATIC TURKEY.

General Maps.

Nouvel Atlas physique, politique, et historique de l'EMPIRE OTTOMAN et de ses États Limitrophes en Europe, en Asie, et en Afrique, en quarante feuilles. Avec un beau plan topographique de la ville actuelle de Constantinople, plusieurs plans des villes les plus importantes de l'Empire, et ceux des sièges et batailles mémorables soustenus par les Ottomans. Dressés sur les documents les plus récents et les plus authentiques, pour servir á l'intelligence de l'histoire de l'Empire Ottoman, de ses démembrements successifs, et des événements politiques accomplis en Orient. Par J. J. Hellert. Paris, 1843. Unbound in a portfolio; *size, 22 inches by* 15.

Map of the COUNTRIES between the MEDITERRANEAN SEA and the PERSIAN GULF on the line of the Euphrates, Tigris, and Kuran. Compiled and drawn by Lieut. Felix Jones, Assistant Surveyor, from the original Surveys made by the late Expedition under Commander H. Blosse Lynch, assisted by Lieutenants Chas. D. Campbell, M. W. Lynch, Felix Jones, William B. Selby, and Henry Grounds, of the Indian Navy. (With a note on the compilation of the map, and a view of the Tak Kesra.) Bombay, Feb. 20, 1847. *Scale,* 4⅜ *inches to* 1 *degree; size,* 43 *inches by* 62. Unfinished MS.

General Karte des TÜRKISCHEN REICHES in EUROPA und Asien nebst Ungarn, Sudrussland, den Kaukasischen Ländern und West Persien, Entworfen und bearbeitet von Heinrich Kiepert. Berlin, 1855. *Scale,* 50 *miles to* 1 *inch; size,* 36 *inches by* 60.

General Karte des OSMANISCHEN REICHES in ASIEN, neu bearbeitet von H. Kiepert. Berlin, 1869. *Scale,* 45 *miles to* 1 *inch; size,* 27 *inches by* 37.

TURKEY in ASIA (Asia Minor) and TRANSCAUCASIA. By Keith Johnston, F.R.S.E. *Scale,* 65 *miles to* 1 *inch; size,* 20 *inches by* 25.

A Map of part of ASIA to illustrate the Old Testament and Classical Authors. For Dr. William Smith's Ancient Atlas. By Trelawny Saunders. London, 1873. *Scale,* 52 *miles to* 1 *inch; size,* 27 *inches by* 19.

Map of MESOPOTAMIA, the Nahraina of the Ancients and Al-Jezireh of Arab MS., and of the adjacent Rock Regions culminating in the Watershed of Western Asia, between the Mediterranean, the Caspian, the Red Sea, and the Persian Gulf. Constructed by command of the Right Honourable the Secretary of State for India in Council from various sources, but based for the most part upon materials obtained at the expense of the British Government. (By Captain Felix Jones, late Indian Navy, formerly Surveyor in Mesopotamia, and Resident at Bushire. The drawing completed in November 1875.) *Scale,* 4·65 *inches to a degree; on* 4 *sheets; size of each,* 28 *inches by* 40. In a Portfolio. MS.

Turco-Persian Frontier.

Map of the COUNTRY between BAGHDAD, KIRMANSHAH and SULIMANIYEH, showing the true frontiers, and extent of the contested territory of Zohab. Drawn up from actual survey, and adjusted by numerous astronomical observations. By Major H. C. Rawlinson, C.B., Bombay Army, and Lieut. Felix Jones, Indian Navy. Bombay, 1848. MS. The same lithographed. Calcutta, 1857. *Scale,* 10 *miles to* 1 *inch; size,* 21 *inches by* 24.

Map of the TURCO-PERSIAN FRONTIER at the period of the ratification of the Treaty of Erzerum, showing the encroachments since made by the Turkish Government, and the localities occupied by the various tribes connected with it. By Henry A. Churchill, Secretary to the British Commission for the

delimitation of the Frontier, under the direction of Br.-General Williams, R.A. and C.B., H. B. M. Commissioner, * * * London, 1855. *Scale*, 20 *miles to* 1 *inch; size*, 20 *inches by* 30.

Map of the TURCO-PERSIAN FRONTIER made by RUSSIAN and ENGLISH OFFICERS in the years from 1849 to 1855, on the scale of 1 : 73·050, and reduced to the sale of 1 : 253440, or 4 English miles to 1 inch, at the Ordnance Survey Office, Southampton, 1873. *On* 9 *sheets; size of each*, 40 *inches by* 27.

Claudius James Rich, 1808–1821.

The MS. JOURNALS, OBSERVATIONS, MAPS, and SKETCHES of Claudius James Rich, the Hon. East India Company's Resident at Bagdad from 1808 to 1821. Presented by the Executors.

Journal, 1820. 1, Excursion to S. Courdistan; 2, Journey from Bagdad to Suleimania; 3, Journey from Suleimania to Mousul, Survey of Arbil, etc.; 4, Survey of the Tigris from Mousul to Bussora. Oblong 8vo., half-bound.

*** See Narrative of a residence in Koordistan and on the site of ancient Nineveh; with journal of a voyage down the Tigris to Bagdad, and an account of a visit to Shirauz and Persepolis. By the late Claudius James Rich, Esq. In 2 vols. London, 1836.

Field Sketches. 1, Route from Suleimania to Ahmed Kulwan in Courdistan. 2, Route from Beestan to Penjwin, and Penjwin to Gweza Kwera, Courdistan. 3, Route from Meek into the Vale of Bana, Courdistan. 4. Continuation of the Vale of Bana to Swear-wé. 5, Route from Swear-wé to Kenaroo. 6, Route from Suleimania to Dergezeen, Courdistan. 7, Route from Derbend to Caffar, Courdistan. 8, Route from Caffar to Altoun-Kiupri. 9, Route from Altoun-Kiupri to Arbil. 10, Route from Arbil to the River Zab. 11, Route from the Zab to the Bumadus, to Kermelis, and half-way from that place to Mousul. Oblong 4to., half-bound.

Itinerary and Notes on Courdistan. Unbound MS.

Survey of the River Tigris from Mousul to Bagdad. On 24 pages finished and 5 pages projected only. In 1 vol., oblong 4to., red morocco. *See also* page 496.

Meteorological Journal, 1813, 1816–21. Quarto, half-bound.

Also a Collection of Meteorological Observations, unbound.

Travelling Journal of Astronomical Observations, 1820–21. Small 4to., red morocco.

Two rough observation books, 1821. Oblong 8vo., half-bound. Two small note books in stiff covers.

Journal of Astronomical Observations made at Bagdad. Quarto, red morocco.

Triangles for a plan of Bagdad and its environs. Octavo, half-bound.

Notes and itineraries for the memoir and map of Bagdad. Unbound.

Extract from the journal at Mousul. Folio, red morocco.

Trigonometrical Calculations connected with the Survey of Mousoul. Also, Stages from Bagdad to Suleimania; and a Journal of a journey to Suleimania and residence in Kourdistan in the year 1820 (by Mrs. Rich). Quarto, red morocco.

Rough Register of Geodetical Observations at Mousul (Nineveh). Quarto, half-bound.

Calculations of the Triangles for the Survey of Ctesiphon and Seleucia, with Journal of Proceedings. 1820. Quarto, red morocco.

Routes and Miscellaneous Observations in Asia Minor, Armenia, and Northern Courdistan. 8vo., half-bound.

L'Euphrate et le Tigre. Par le Sieur d'Anville, 1779.

Carte de l'Asie Mineure pour le voyage d'Olivier, membre de l'Institut. Par Dezauche, 1806.

An original map, extending from Mosoul to the Sources of the Khausar River. Drawn and Surveyed by Claudius Rich. No title, scale, or date. *Size*, 30 *inches by* 29.

Log of the "Lord Castlereagh," from Bombay to England. Foolscap, 8 pages, unbound.

Sir Robert Ker Porter's Itineraries from the Persian Frontier to Bagdad, and Bagdad to Hillah. Unbound.

Translated Extracts from the Jehan Numa and the Mesalik-i-Memalik. Foolscap, unbound.

Various Oriental Manuscripts :—

1. A list of drugs, spices, perfumes, &c. from India, Syria, and Persia.
2. A list of Mahallahs or parishes and of the mosques in each. (Bagdad ?)
3. A Vocabulary in Turkish, Arabic, Persian, and dialects of Luristan and Curdistan.
4. List of the colleges in the Pashalik of Bagdad.
5. List of the Sanjaks and tribes of Courdistan, by Khaled Pasha, of Courdistan, 1817.

Also several others in the same parcel.

Italian Manuscripts :—

1. Memorie di Seyd Saaid, Sultan di Muscat.
2. Viagio da Bagdad a Erivan.
3. Diarbekr. Dimandi interno alla Citta, & per la Provincia o Territorio.

An inscription, of the size of the original, copied from a stone lately found among the ruins of Ancient Babylon, and sent as a present to Sir Hugh Inglis, Bart., by Harford Jones, Esq., the Honourable East India Company's Resident at Bagdad. Published by the H.E.I. Company. London, 18th August 1803. *Size*, 30 *inches by* 54. Cuneiform.

*** There are no notes or memoranda among these remains relating to Mr. Rich's researches in Babylon and Persepolis. *See* Narrative of a Journey to the Site of Babylon in 1811, now first published ; Memoir on the Ruins, with Engravings from the original sketches by the Author; Remarks on the Topography of Ancient Babylon, by Major Rennell, in reference to the Memoir; Second Memoir on the ruins in reference to Major Rennell's remarks; With a narative of a journey to Persepolis, now first printed, with hitherto unpublished cuneiform inscriptions copied at Persepolis; By the late Claudius James Rich, Esq., formerly Resident of the Hon. East India Company at Bagdad. Edited by his Widow. London, 1839.

The Euphrates and Tigris, by Lieut. Ormsby.

1.

Sketch of the RIVER EUPHRATES from Hilla to Bussorah and part of the Shat al Hie from Jewaid and Musaisee to its junction with the Euphrates By H. A. Ormsby, Lieut. Indian Navy. 1826 to 1830. *Scale, about* 2 *miles to* 1 *inch; size,* 2½ *feet by* 8¼ *feet.* MS.

*** Memorandum.—The soundings are in fathoms, and were taken as follows: those of the Shat ul Arab in December,—the Euphrates in February,—the Shat ul Hie in December and January. Moreover to show the soundings distinctly, the breadth of the river has been extended in some places beyond the actual measurement. In some years the River Hie becomes dry during the months of September and November.

2.

Sketch of the RIVER TIGRIS from Korna to Baghdad and part of the Shat ul Hie from its junction with the Tigris to Jewaid and Musaisee on the island formed by the two branches of that stream. By Henry A. Ormsby, I.N. 1826 to 1830. *Scale, about* 2 *miles to* 1 *inch; size,* 2½ *feet by* 8¼ *feet.* MS.

*** Memorandum.—The soundings in the river are in fathoms:—those in the lower part of the Tigris were taken in January, the upper part in December, and the Shat ul Hie in December and January. The Meridians laid down are true, the variation being 5° 35′ westerly.

Chesney's Atlas of the Euphrates and Tigris.

I.

Map of the COUNTRIES situated between the RIVERS NILE and INDUS serving as an index to the work on the Expedition for the survey of the Euphrates and Tigris. Drawn from materials furnished by Lieut. Colonel Chesney, R.A., F.R.S. By J. & C. Walker, Geographers. 1850. *Scale*, 105 *miles to* 1 *inch; size*, 25 *inches by* 30.

II.

A Map of ARABIA and SYRIA laid down chiefly from original surveys under the superintendence of Lieut.-Colonel Chesney, R.A., F.R.S., and drawn by W. H. Plate, LL.D. &c. 1849. *Scale*, 70 *miles to* 1 *inch; size*, 28 *inches by* 27.

III.

The Rivers EUPHRATES, TIGRIS, KARUN, and SHAT EL ARAB in 12 sheets. *Scale*, 4 *miles to* 1 *inch.*

1. The River Euphrates with the Cilician Taurus and northern Syria. The coast and part of Taurus were surveyed by Lieut. Murphy, R.E., &c; the Euphrates from Bir to Beles by Lt.-Col. Estcourt, 43rd Lt. Inf., and the rest by various officers of the expedition. Part of the Taurus is from the survey by Baron Moltke. Also a section of a line of levels between the Mediterranean Sea and the River Euphrates.
2. The River Euphrates from Sumeisat to Kalat en Nejm. From Sumeisat to Birehjik was surveyed by Col. Chesney, 1832, and Lieut. Lynch, I.N., in 1836; and from Birehjik to Kalat en Nejm by Lt.-Col. Estcourt.
3. The River Euphrates from Kalat en Nejm to Abu Saide. From Kalat Jaber to Rakkah was surveyed by Commander Lynch, I.N., during the season of low water in 1840; and the rest by Col. Chesney and the expedition, during the season of floods in 1836.
4. The River Euphrates from Abu Saide to Werdi. From Abu Saide to Deir was surveyed by Commander Lynch, I.N., at the season of low water 1840, and the rest by Col. Chesney and the expedition during the season of floods in 1836.
5. The River Euphrates from Werdi to Hit. Surveyed by Col. Chesney and the officers of the expedition at the season of floods in 1836. With a transverse section of the river at Werdi.
6. The River Tigris from Nineveh to Kalah Sherkat and from Kalah Sherkat to Sammara. Surveyed by the late James Claudius Rich, Esq., the British Resident at Baghdad.
7. The River Euphrates from Hit to the Kuthah River, and the River Tigris from Sammarra to the Abu Hitti Canal. From Sammara to Dokhala surveyed by the late James Claudius Rich, Esq., the British Resident at Baghdad; and from Dokhala to the Abu Hitti Canal by Col. Chesney and the officers of the expedition. With a transverse section of the river at Hit.
8. The River Euphrates from the Kuthah River to El Wuja Island and Village, also the River Tigris from the Abu Hitti Canal to Judifah Island. Both surveyed by Col. Chesney and the officers of the expedition at the season of floods in 1836.
9. The River Euphrates from El Wuja Island to Ummu-l-Huntah, and the River Tigris from Judifah Island to Serut Castle. Surveyed by Col. Chesney, &c. at the season of floods in 1836.
10. The River Euphrates from Ummu-l-Huntah to Kurnah, with the River Tigris from Serut Castle to Kurnah, and the Shatt el Arab from Kurnah to Basrah. Surveyed by Col. Chesney, &c. during the season of floods in 1836.

11. The River Karun from Shuster to Salmanah Island, and from Shuster to Band-i-Kir. Surveyed by Lieut. Selby, I.N., and from Band-i-kir to Salmanah Island by Col. Chesney, &c., and the Dorak Canal by Lieut-Col. Estcourt.
12. The Shatt el Arab from Basrah to the Bar of the River Euphrates, and the River Karun from Salmanah Island to Mohommerah, with the Bah-a-mishir. Surveyed by Col. Chesney, &c.

IV.

Table showing the changes which took place in the RIVER EUPHRATES between 26th July 1835 and 13th June 1836. Thermometrical observations, five times a day; rise and fall of the river in inches; daily notes on the weather.

The Euphrates Surveys, by Commander H. B. Lynch.

EUPHRATES SURVEY. Sheet 1 of the Shat el Frat or River Euphrates, trigonometrically surveyed when in its lowest state, in October and November 1841, by Commander H. B. Lynch, I. N., assisted by Lieutenants C. D. Campbell, J. F. Jones, and H. W. Grounds, Indian Navy. Also sheets 2 and 3, the whole extending between Balis and Deir. *Scale*, 1 *inch to* 1 *geographical mile* =2,025 *yards; size of each sheet*, 25 *inches by* 36. MSS.

EUPHRATES SURVEY. Reduction of part of Shat el Frat or River Euphrates, trigonometrically surveyed when in its lowest state in the year 1841–2, by Commander H. B. Lynch, I.N., assisted by Lieutenants C. D. Campbell, J. E. Jones, and H. W. Grounds, Indian Navy. Compiled from three sheets on a scale of 1 mile to 1 inch by J. M. Gonsalves. *Scale*, 4 *geographical miles to* 1 *inch; size*, 22 *inches by* 31.

VOYAGE of the EUPHRATES, Suklewieh to Muskeneh (Bales). With a Chart of (that part of) the River Euphrates and Views, by Lieut. W. J. Powell, I.N. May 1872. *On* 3 *sheets; scale* 4 *miles to* 1 *inch.* Selections from the Records of the Government of India, Foreign Department, No. CV.

EUPHRATES SURVEY, Ethdhein to Deir. Surveyed in 1842 by Lieut. Felix Jones. On 4 sheets of tracing paper. Also drawings of the first and second sheets, entitled "3 and 4 comprise Sheet 2nd of the River Euphrates "trigonometrically surveyed when in its lowest state in January and February "1842." *Scale*, 1 *inch to* 1 *geographical mile*=2,025 *yards; size of each*, 18 *inches by* 24.

Description of RASAPHE, and of the BANKS of the EUPHRATES. By Captain H. Blosse Lynch, I.N. 1841–42. Fcap., 23 pages. MS.

Mesopotamian Surveys.

Original detailed Plan of the RUINS of BABYLON. By Felix Jones. (Including the town of Hillah.) *Scale*, 400 *yards to* 1 *inch; size*, 37 *inches by* 25. MS.

TRIANGULATION from BAGDAD to BABYLON. *Scale*, 5 *miles to* 1 *inch; size*, 14 *inches by* 17. MS.

From BABYLON to the SEA of NEJEF. By Felix Jones. (Including the origin of the Hindiyeh, Kerbela, and Al Heimer.) *Scale*, 4,000 *yards to* 1 *inch; size*, 36 *inches by* 25. MS.

A collection of Original Sketch Maps of the MESOPOTAMIAN SURVEY. On 14 sheets:—

1. Hillah Gardens to El Geraineh.
2. Kifl, Kerbela, Hillah, &c., with Birs Nimrud enlarged.
3. Plan of Tel Ibrahim.
4. The Sea of Nejef.
5. El Heimar. (See Selby's Babylon, sheet 2.)
6. Hillah to Niffer.
7. Sheriat el Beytha to Tel Ibrahim.
8. The Sea of Nejef to Samaweh.
9. Sook es Shuykh to Hamar, Euphrates.
10. Dewaniyeh to Ashmea, Euphrates and right bank.
11. Seleucia and Ctesiphon. 1,000 *yards to* 1 *inch.*
12. Mesopotamia, Tel Ibrahim to Niffer. 4,000 *yards to* 1 *inch.*
13. Moosseib to Kerbela and Meshed Ali or Nejef.
14. Meshed Ali or Nejef to Hillah. MSS.

MESOPOTAMIAN SURVEY, 1860–65. Field Books in Pencil. In 5 vols. oblong, red leather covers.

To His Highness Omar Pasha, G.C.B., Generalissimo of the Ottoman Armies, and Governor-General of Turkish Arabia, this—

PLAN of the supposed RUINS of BABYLON, by William Beaumont Selby, Commander Indian Navy, and Surveyor in Mesopotamia, assisted by Lieut. W. Collingwood, Indian Navy—is . . . dedicated. 1859. *Scale,* 800 *yards to* 1 *inch; size,* 27 *inches by* 40; *price* 4*s.*

*** A Plan of Birs Nimrud, and views of the Kasr and Babel are inserted in the margin.

BABYLON, Sheets I. and II., being the original drawings of the above. *Scale,* 500 *yards to* 1 *inch.*

TRIGONOMETRICAL SURVEY of a Part of TURKISH ARABIA, SOUTH of BABYLON, including the Bahr-i-Nejf and the ruins of many ancient cities. By William Beaumont Selby, Commander H.M. Indian Navy, and the Surveyor in Mesopotamia, assisted by Lieut. W. Collingwood, H.M.I.N. 1860. Sheet 1st. With views of Meshid Ali or Nejf, Kifl, and Cufa. *Scale,* 2,000 *yards to* 1 *inch; size,* 36 *inches by* 52. MS.

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, from Hillah to the ruins of Niffer, with the rivers Euphrates and Tigris. By Lieut. W. Collingwood, Her Majesty's Indian Navy, Surveyor in Mesopotamia in the autumn of 1861 and in the spring of 1862. *Scale,* 4,000 *yards to* 1 *inch; size,* 42 *inches by* 30; *price* 4*s.*

*** With views of the Niffer Mounds, the ruin of Nejmi, Tel Ibrahim, and Zibbleyeh; also enlarged plans of Niffer and Tel Ibrahim.

The Original Drawing of the above on the same scale.

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, from Sheriat el Beytha to Tel Ibrahim, with the rivers Euphrates and Tigris. By Commander W. B. Selby and Lieut. J. B. Bewsher, Her Majesty's late Indian Navy, successively Surveyors in Mesopotamia, 1862 to 1865. *Scale,* 4,000 *yards to* 1 *inch; size,* 30 *inches by* 20; *price* 4*s.*

*** With views of Baghdad, the Suk el Ghuzl, and Tak Kesra; also a skeleton plan of the Historical Sites, and an enlargement of Abu Hubba.

The Original Drawing of the above on the same scale.

Original Drawing of the YUSUFIYEH CANAL or NAHR MALKA. By Felix Jones. Included in the foregoing map. *Size,* 36 *inches by* 24. MS.

MEMOIR on part of MESOPOTAMIA contained between Sheriat-el-Beytha, on the Tigris, to Tel Ibrahim. By Lieut. J. B. Bewsher, Surveyor in Mesopotamia. 1866. Fcap., 13 pages.

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, including the Bahr-el-Nejf and the channels connecting it with the Euphrates; also the towns of Massoud, Kerbela, and Meshed Ali; with the Ruins of Kufa and Birs Nimrud. Drawn by Lieut. W. Collingwood, late Indian Navy, from the original surveys made by Commander W. B. Selby and himself. *Scale*, 4,000 *yards to* 1 *inch*.

Vestiges of Assyria.

VESTIGES of ASSYRIA, SHEET 1ST, an Ichnographic Sketch of the Remains of Ancient Nineveh, with the enceinte of the modern Mosul, the موصل of Arab MSS. and the ΜΕΣΠΙΛΑ of the Anabasis. Constructed from Trigonometrical Survey in the spring of 1852 at the command of the Government of India, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. M. Hyslop, Esq., M.D., Medical Staff Bombay Army. Engraved by J. & C. Walker. Dedicated to Lieut.-Colonel Rawlinson, C.B., now Major-General Sir Henry Rawlinson. *Scale*, 1,000 *feet to* 1 *inch; size*, 50 *inches by* 30; *price* 6*s*.

A copy of the Original Drawing in colours. MS.

VESTIGES of ASSYRIA, SHEET 2ND, showing the positions and plan of the ancient cities of Nimrud and Selamiyeh, the former identical with *Λαρισσα* of Xenophon, perhaps the "Calah" of Genesis and the [illegible] of the Cuneiform inscriptions. From Trigonometrical Survey made in the spring of 1852 at the command of the Government of India, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. M. Hyslop, Esq., M.D., Medical Staff Bombay Army. Dedicated to Austen Henry Layard, Esq., &c. &c. &c. *Scale*, 1,000 *feet to* 1 *inch; size*, 50 *inches by* 30; *price* 6*s*.

A copy of the Original Drawing in colours. MS.

As an Accompaniment to the 1st and 2nd Sheets of the—

VESTIGES of ASSYRIA, SHEET 3RD, being a Map of the country included in the angle formed by the River Tigris and the Upper Zab, showing the disposition of the various ancient sites in the vicinity of Nineveh. From Trigonometrical Survey made by order of the Government of India in the spring of 1852, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. W. Hyslop, Esq., M.D., Medical Staff Bombay Army. Dedicated to the Right Hon. Viscount Stratford de Radcliffe. *Scale*, 1,000 *feet to* 1 *inch; size*, 50 *inches by* 30; *price* 6*s*.

A copy of the Original Drawing in colours. MS.

VESTIGES of ASSYRIA, SHEET 4TH, descriptive of the remains of one of the principal cities of that region bearing the modern name of Kaleh Sherkat. Surveyed by Commander Felix Jones, Indian Navy, by order of the Government of India. Now identified with Ir Ashur of the inscriptions, with "Ellasar" and "Resen" of Genesis, with "Tel Assar," of the Targums, and with the Τελανη of Stephen of Byzantium, by Colonel Rawlinson, C.B., &c. *Scale*, 250 *feet to* 1 *inch; size*, 40 *inches by* 27; *price* 6*s*.

A copy of the Original Drawing in colours on tracing cloth. MS.

Baghdad.

Ground Plan of the ENCEINTE of BAGHDAD, the capital of Irak Mesopotamia, called also Dar-es-Salam, and Medinet-al-Kholafa in Arab MSS. From actual surveys made by Commander Felix Jones and Mr. W. Collingwood, Mid. Indian Navy. 1853-1854. *Scale,* 13½ *inches to* 1 *geographical mile; size,* 50 *inches by* 30.

Drawing of the same in outline. *Size,* 37 *inches by* 24. MS.

BAGHDAD and KATHEMIM, with River Tigris, villages, and date groves to the north and south. Rough unfinished working sheet, by Felix Jones. Trigonometrically executed. *Size,* 29 *inches by* 50. MS.

The River Tigris.

Survey of the RIVER TIGRIS by Claudius James Rich, Esq., Hon. East India Company's Resident at Bagdad. *No date or scale; size,* 58 *inches by* 26. MS.

Chart of RIVER TIGRIS from Moosul to Bagdad, 1831. *Scale,* 8 *miles to* 1 *inch; size,* 33 *inches by* 18. MS.

Sketches of RUINS and REMARKABLE POINTS on the banks of the TIGRIS from Moosul to Bagdad. 1831. *Size,* 10 *inches by* 32. MS.

Map from BAGDAD to the TOWN of BIR (really Busra) on the Euphrates. By Messrs. Elliot and Ormsby. 1831. *Scale,* 13 *miles to* 1 *inch; size,* 19 *inches by* 24. MS. (Two copies.) *See* Ormsby's Surveys, page 491.

The LINE of ROUTE traversed by Lieut. Roberts Taylor, 2nd Madras Cavalry, from BAGDAD to BUSSORAH viâ the ancient canal of the Hye. *No date or scale; size,* 22 *inches by* 30. MS.

Sketch of the RIVER TIGRIS and that part of MESOPOTAMIA between the ruins of the Median Wall and canal of Saglawea. By Capt. H. Blosse Lynch. *Scale,* 2 *miles to* 1 *inch; size,* 34 *inches by* 26. MS.

The TIGRIS from Nineveh to Ctesiphon and the country of Babylon. Dedicated to Her most Gracious Majesty the Queen Victoria, by H. Blosse Lynch, Commanding on the Survey of Mesopotamia, Lieut. M. W. Lynch, and H. W. Grounds, I. N. Bagdad, June 1839. *Scale,* 4 *miles to* 1 *inch; size,* 78 *inches by* 41. MS.

Stasimetric Survey of the RIVER TIGRIS, by Lieuts. C. D. Campbell, J. F. Jones, and H. Grounds, in March 1841; re-examined and sounded in October and November 1842, by Commander H. B. Lynch and Lieut. J. F. Jones, Indian Navy. On Mercator's projection. *Scale,* 4 *miles to* 1 *inch.* Sheet 1, Baghdad to Hie and Ibn Isa. *Size,* 25 *inches by* 31. Sheet 2, Ibn Isa to the Persian Gulf. *Size,* 37 *inches by* 28. MSS.

Journal of a STEAM TRIP to the NORTH of BAGDAD in April 1846, with notes on the various objects of interest met with. Also a view of Samarrah and a map of that town with the ruins around it; and a plan of the ruined fort of Qadasiyeh, and a view of it from the Tigris. By Lieut. J. Felix Jones, Indian Navy. Fcap., 65 pages and maps. MS.

Note.—Printed in Bombay Selections, No. XLIII.

A map of the RIVER TIGRIS, from BAGDAD northward to DUR, with the course of the Nahrwan Canal, and the old bed of the Tigris below Quadesiyeh. By Felix Jones, Capt., I.N. *See* the "Journal of a Steam Trip," in the Bombay Selections, No. XLIII. No title. *Scale,* 2 *miles to* 1 *inch; size,* 40 *inches by* 27. MS.

IRRUPTIONS of the TIGRIS, Sheet I. Plans made in the lowest season by William Beaumont Selby, Commander Indian Navy, and Surveyor in Mespotamia :—Suaji on the left bank one hour above Fil-a-fil;—Oom-el-Henna on the right bank. *Scale,* 300 *feet to* 1 *inch.* 1860. Sheet II. The Hud. *Scale,* 400 *feet to* 1 *inch*; with a map of the Tigris from Duffus Grove to the Gurmah at Zobeyr with the courses of the Hud. *Scale,* 1 *inch to* 2,000 *yards; size,* 33 *inches by* 26. MSS.

Part of the RIVER TIGRIS north of KÚT-AL-AMÁREH, and junction of the Hye River, up to Jarjaraiyeh, By Felix Jones. *Size,* 15 *inches by* 22. MS.

Working Sheet, unfinished. The TIGRIS, north and south of the ancient cities of Seleucia and Ctesiphon, the Modain of Arab geographers. Showing the connexion of the Nahr Malka or Royal Canal with the former city, and that of the Nahrawan with the latter. Trigonometrically projected by Felix Jones. *Size,* 60 *inches by* 28. MS.

The Shat-el-Arab.

Sketch of the COURSE of the SHAT-UL-'ARAB from the entrance to Mahomerah. By Captain Felix Jones, Resident, Persian Gulf; and Captain M. Green, Sind Horse, constructed while reconnoitring the enemy's position at Mahomerah in company with Commodore Ethersey and Captain J. W. Young, I. N., in February 1857. *Scale,* 1 *inch to* 1 *mile; size,* 46 *inches by* 20.

The SHAT AL ARAB from the GURMA'T 'ALI to BUSRA, trigonometrically surveyed by Lieut. Wm. Collingwood, H.M.I.N. May 1859. *Scale,* 1,000 *feet to* 1 *inch; size,* 36 *inches by* 50. MS. Also a copy on tracing paper.

Plan showing the Position of the BUOYS at the Mouth of the SHAT UL 'ARAB. By Charles D'Arcy, Acting Lieut. I.N. *Scale,* 1 *mile to* 1 *inch; size,* 15 *inches by* 11. MS.

Plan of FAO, showing the position of the SUBMARINE CABLE. 1864. *Scale,* 1 *mile to* 1 *inch; size,* 20 *inches by* 14. MS.

The Karun and Dizful Rivers.

A general chart of the part of the KARUN RIVER about Ahwaz including the Bund, and of the river Karun and Dizful and of the Aubigargar canal. Compiled from the trigonometrical survey in 5 sheets by Lieut. Selby, I.N. *Scale,* 5 *miles to* 1 *inch; size,* 32 *inches by* 17. MS.

The same lithographed.

Survey of the RIVER KARUN from its junction with the SHAT EL ARAB below MOHAMEERAH to about 20 miles above Ahwaz; from Ismaeenah upwards trigonometrically surveyed during a low state of the river in June 1841. By Lieut. W. B. Selby, I.N. *Scale,* ½ *inch to* 2,040 *yards; size,* 28 *inches by* 52. MS.

Trigonometrical Survey of the RIVERS KARUN and DIZFUL and the Aub-i-Gargar Canal, in the month of April 1842. The soundings, taken when the river had fallen considerably, are in fathoms. *Scale*, ½ *inch to* 2,040 *yards.* Signed by H. B. Lynch, commanding Euphrates Expedition; W. B. Selby, Lieutenant; and J. F. Jones, Assistant Surveyor, &c. *Size*, 29 *inches by* 20.

The Diala, Nahrwan, &c.

Chart of the DIALA, CANALS, and COUNTRY between BAGHDAD and the HAMREEN HILLS. By Lieut. Grounds, I.N. 1839. *Scale*, 2 *geographical miles to* 1 *inch; size*, 29 *inches by* 21. MS.

The ancient NAHRAWAN CANAL, from its junction with the Upper Tigris to Ctesiphon. By Capt. Felix Jones, I.N. *Size*, 40 *inches by* 27. MS.

Field Sheet. OLD BED of the TIGRIS, and site of the ancient OPIS. By Felix Jones. (Included in the foregoing map.) *Size*, 20 *inches by* 11. MS.

Part of the NAHRAWAN CANAL and the DIYALEH RIVER. *Size*, 36 *inches by* 24. MS.

SHAT EL DIJLEH, the River Tigris from BAGDAD to KÚT, showing the prolongation of the great Nahrawan Canal of antiquity, as also the Diyaleh and Hye connexions with the Tigris. By Felix Jones. *Size*, 36 *inches by* 24. MS.

Syria and Palestine.

Atlas von PALAESTINA und der SINAI-HALBINSEL, zu C. Ritter's Erdkunde, Band XIV-XVI. *Scale*, 1 : 333,333 = 5·2 *miles to* 1 *inch; on* 15 *sheets; size of each*, 17 *inches by* 23, *in a cover.*

Trial section from the PLAIN of ANTIOCH to the PLAIN of Terib. *Horizontal scale*, 6 *inches to* 1 *mile; size*, 32 *inches by* 76. MS.

Trial section at ALEPPO. *Horizontal scale*, 6 *inches to* 1 *mile; size*, 22 *inches by* 30. MS.

Crete.

CANDIE, CRITI, ou CRETE, au 400,000e, dressée principalement sur les mémoires et reconnaissances de M. le Lieutenant-Général Comte Mathieu Dumas, ainsi que sur les extraits des auteurs Byzantins et Italiens, communiqués par M. le Chevalier Hase, membre de l'Institut, et appuyée sur les observations astronomiques et sur les relevemens de M. Gautier, Capitaine de Vaisseau par le Chevalier Lapie, officier supérieur au Corps Royal des Ingénieurs Geographes. 1825. *Size*, 22 *inches by* 32.

Asia Minor.

КАРТА МАЛОЙ АЗІИ * * * Map of Asia Minor constructed at Polkova, from astronomical observations made in 1834 and 1835 (in the Russian language). *Scale*, 14 *miles to* 1 *inch; on* 2 *sheets; size*, 36 *inches by* 51.

Carte Géographique de l'ASIE MINEURE rédigée à l'échelle de 1 : 1,000,000, par A. de Bolotoff, Général à l'Etat Major de Russie, d'après des matériaux inédits et les données fournises par P. de Tchihatchef. 1853. *On* 2 *sheets; size*, 30 *inches by* 42.

Plan of a portion of the CONSTANTINOPLE and BUSSORAH LINE of TELEGRAPH laid under the direction of Lt. Col. Biddulph, R.A. Drawn by Lt. Holdsworth, R.A. 1860. *Scale,* 1 *inch to* 1 *mile; size,* 30 *inches by* 43.

Armenia.

Sketch of the FORTRESS of KARS and ENVIRONS, and of the action fought between the Turks under the command of General Williams, and the Russians under General Mouraviev, Sept. 29th 1855. *Size,* 13 *inches by* 18.

The FORTRESS and FIELD DEFENCES of KARS, representing the action between the Russians under General Mouraviev, and the Turks under General Williams, on the 27th Sept. 1855. *Size,* 27 *inches by* 40.



IX. ARABIA.

General Maps.

Map of MARITIME ARABIA with the opposite Coasts of Africa and Persia. Reduced in the Quartermaster-General's Office, from an original map by Colonel T. Dickinson, Chief Engineer. 1843. *Scale,* 65 *miles to* 1 *inch; size,* 24 *inches by* 37.

ARABIA. By William Henry F. Plate, LL.D., &c. Drawn for Colonel Chesney's work on his Euphrates Expedition. From European and Oriental sources, among the latter Ibn Kordadbah. London, 1847. *Scale,* 60 *miles to* 1 *inch; size,* 28 *inches by* 26.

Map of ARABIA. Compiled from all the most recent authorities by order of the Court of Directors of the East India Company. By John Walker. 1849. *Scale,* 36 *miles to* 1 *inch; size,* 40 *inches by* 54; *price* 12*s.*

UEBERSICHTS-KARTE von ARABIEN zu C. Ritter's Erdkunde (Buch III.). West Asien, Theil XII., XIII. Bearbeitet von H. Kiepert, herausgegeben von C. Ritter. Berlin, 1852. *Scale,* 95 *miles to* 1 *inch; size,* 18 *inches by* 23. *See* Ritter's Atlas, General Maps of Asia, page 339.

Note on certain QUESTIONS relative to the interior of ARABIA, discussed before the Royal Geographical Society on the 22nd February and 14th March 1864, and published in their issue of 28th April 1864. Fcap., 13 pages, with a map.

ZIMMERMANN'S MAPS of ARABIA. *See* Atlas von Vorder Asien, General Maps of Asia, page 463.

Oman and the Northern Coast.

A revised Map of 'OMAN and the PERSIAN GULF, in which an attempt has been made to give a correct transliteration of the Arabic names. By the Rev. George Percy Badger, F.R.G.S. 1871. *Scale,* 37 *miles to* 1 *inch.* With a plan of Maskat and el Matrah *on the scale of* 3½ *inches to* 1 *mile.* Also a view of the town of Maskat. *Size,* 22 *inches by* 30.

View of MUSCAT TOWN and FORTS. 1811. Drawn in water colour. *Size,* 14 *inches by* 20.

View of MUSCAT, entrance of PERSIAN GULF. An oval drawing in Indian ink. *Size,* 9 *inches by* 12.

Plan of the ATTACK of RAS-UL-KHYMA by the forces under Sir Wm. G. Keir, K.M.T., between the 3rd and 9th of December 1819. *Scale, 6 inches to 1 mile; size, 16 inches by 13.* MS.

A Map of the OASIS of EL HASA. *Scale, about 1 mile to 1 inch; size, 12 inches by 16.* MS.

Capt. Sadleir's Route.

Route across ARABIA from El Katif in the Persian Gulf to Yambo in the Red Sea. Compiled from the Journal of Capt. Sadleir. 1821. *Scale, 75 miles to 1 inch; size, 13 inches by 17.* MS.

Narrative by Capt. Sadleir of his PROCEEDINGS in ARABIA. With remarks on his route across Arabia, from El Kuttuff on the Persian Gulf to Yambo on the Red Sea. 1820. In 2 vols., post folio. MS.

Diary of a JOURNEY across ARABIA, from EL-KHATIF, in the Persian Gulf, to YAMBO, in the Red Sea, during the year 1819. (With a map.) By Capt. G. Forster Sadlier, of H.M.'s 47th Regiment. Compiled from the Records of the Bombay Government, by P. Ryan, Esq., Assist. Sec. to Govt. Bombay, 1866. 8vo., stiff cover.

South-western Arabia.

A Map of the SOUTH-WESTERN PART of ARABIA, from Hodeidah to the Ourlgee Country, east of Aden, showing the political divisions. No title. Horse Guards, May 1839. *Scale, 24 miles to 1 inch; size, 13 inches by 17.* MS.

A Map of the SOUTH-WESTERN PART of ARABIA, from Hodeidah to Wady Meifah. From information. Signed by Capt. Haines, I.N., Political Agent at Aden. *Scale, about 24 miles to 1 inch; size, 15 inches by 19.* MS. tracing.

Memoir of SOUTHERN ARABIA, by Commander S. B. Haines, Indian Navy. 1838. Part 1st. Fcap., 208 pages, with views and inscriptions. MS.

Journal of an EXCURSION from MOREBAT to DYNEEZ, the principal town of Dofar, &c. By Mr. Cruttenden, Indian Navy. 1836. Fcap. 16 pages. MS.

SUDWESTLICHES ARABIEN (Hidjaz und Yemen) zu C. Ritter's Erdkunde, Buch III., West Asien, Theil XII. Bearbeitet von H. Kiepert, herausgegeben von C. Ritter. Berlin, 1852. *Scale, 32 miles to 1 inch; size, 23 inches by 18.*

Map of SOUTH-WESTERN ARABIA. With the Routes of Travellers. Topographical Depôt, Horse Guards, 1874. *Scale, 10 miles to 1 inch; size, 24 inches by 36.*

Aden.

A British military station and port with dependencies under a Resident, subordinate to the Government of India.

Haines' Survey.

The several BAYS near CAPE ADEN on the Arabian Coast, surveyed trigonometrically. 1836. With three outline sketches of the coast. This

survey was executed in the Hon. Company's surveying vessel "Palinurus," under the direction of S. B. Haines, Acting Commander and Surveyor. *Scale*, 1 *nautical mile to* 1 *inch; size*, 27 *inches by* 40.

Views. 1, Land forming the west side of Bunder Fuggum (west of Aden); 2, Gibbul Shumsan, from the vessel at anchor in Aden eastern bay. 1836. *On* 1 *sheet; size*, 11 *inches by* 23. MS.

This is the original drawing of the sketches engraved in Capt. Haines' chart.

INDIAN PAPERS, No. IX. Correspondence relating to Aden. Presented by Her Majesty's command. With maps of Aden and Yemen. Fcap. folio.

Defences of Aden.

By Lieut Curtis, 1842.

Plan showing the OLD LINE of FIELD WORKS across the ISTHMUS of ADEN, and the LINE of PERMANENT WORKS proposed for construction. Signed J. A. Curtis, Lieutenant, Executive Engineer's Office, Aden, June 24th 1842. *Size*, 21 *inches by* 30. MS.

By Major Jacob, R.A., and Major (afterwards Lt.-Col.) Grant, R.E. On special duty, 1843–44.

1. Skeleton Plan of a SURVEY of the EASTERN PORTION of the PENINSULA of ADEN. *Scale*, 80 *yards to* 1 *inch; size*, 52 *inches by* 100. MS.

2. Sections of DURUB-UL-HOSH. *On* 4 *sheets*.

3. Sections of RAS-UL-GIRREFF. *On* 5 *sheets*.

4. Sections of JIBBUL HUDDEED. *On* 6 *sheets*.

5. Section on outer side of MUNSOOREE RANGE. *On* 1 *sheet*.

6. Section along ridge from OFFICER'S TOWER. *On* 1 *sheet*.

7. Sketch in Outline of the ISTHMUS of ADEN, showing the manner in which the Special Committee propose to defend the flanks of their position. Poona, 15th July 1843. *Scale*, 80 *yards to* 1 *inch; size*, 30 *inches by* 42. MS.

8. Survey of the NORTHERN or MUNSOOREE RANGE, together with the ISTHMUS of the PENINSULA of ADEN. Signed by W. Jacob, Major of Artillery, and C. W. Grant, Major of Engineers, on special duty on defence of Aden. Bombay, 11th September 1843. *Scale*, 80 *yards to* 1 *inch; size*, 33 *inches by* 57. MS.

9. Plan of RAS-UL-GIRREFF, showing the junction with the proposed line of works across the isthmus with the tunnel and projected scarping and ultimate batteries on the hill. Also, Plan of GIBUL HUDEED and the END of the SPUR from DURUB-UL-HOSH, showing the junction of the projected line of works across the isthmus with the ultimate defences on Gibul Hudeed and the pier. With ground plans and sections. 1843. *Scale for maps and sections*, 80 *feet to* 1 *inch; size*, 33 *inches by* 49. MS

10. Plans and Sections of the several REDOUBTS and connecting RAMPART and DITCH forming the proposed NEW LINE of WORKS across the ISTHMUS of ADEN. 1843. *Size*, 33 *inches by* 49. MS.

11. Plan and Sections of OPEN and ENCLOSED RESERVOIRS for the SUPPLY of WATER to the TROOPS in the NEW CANTONMENT on the ISTHMUS. Also, Plan, Elevation, and Sections of the Pier of Obstruction and Landing Pier, with the Guard-room and Battery, &c. 1843. *Size,* 25 *inches by* 37.

12. Plans by Lieut.-Colonel C. W. Grant, Bombay Engineers. Furnace for heating shot; cast-iron traversing platform; raft for extending a pier into deep water; proposed European barracks. 1844. *On* 1 *sheet; size,* 30 *inches by* 52.

Aden—Marshag Defences.

13. Outline, Plan, and Sections of the PROMONTORY of MARSHAG on the S.E. side of the PENINSULA of ADEN. 1844. *Scale of plan,* 80 *yards to* 1 *inch; size,* 23 *inches by* 55. MS.

14. Plans and Sections of the Sea DEFENCES on MARSHAG, ADEN. 1844. *Scale,* 20 *feet to* 1 *inch; size,* 28 *inches by* 50. MS.

Aden—Seera Island Mole and Defences.

15. Outline, Plan, and Sections of the ISLAND of SEERA on the S.E. side of the PENINSULA of ADEN. 1844. *Scale of plan,* 80 *yards to* 1 *inch; size,* 43 *inches by* 30. MS.

Plans and Sections of the proposed SEA DEFENCES on SEERA ISLAND, ADEN. 1844. *Scale,* 20 *feet to* 1 *inch; size,* 29 *inches by* 51. MS.

16. Battery and Defences on SEERA MOLE, ADEN. *Scale,* 25 *feet to* 1 *inch.* Also on the same sheet, Plan of the Defensible Barrack or Military Post intended for the Table Land immediately overlooking the Ravine or Valley of the Wells, Aden. 1844. *Scale,* 20 *feet to* 1 *inch; size,* 30 *inches by* 52.

17. Plan and Sections of SEERA MOLE in the FRONT BAY of ADEN. 1843–44. *Scale,* 25 *feet to* 1 *inch; size,* 23 *inches by* 37. MS.

Aden—West Bay Defences, &c.

18. Outline, Plan, and Sections of SHUWYEE or LONG ISLAND in the HARBOUR of ADEN. 1844. *Scale of plan,* 80 *yards to* 1 *inch; size,* 23 *inches by* 55. MS.

19. Survey of ground between RAS TARSHAYN and RAS HEDJUFF including STEAMER POINT in the WESTERN BAY of ADEN. 1843–44. *Scale,* 80 *yards to* 1 *inch; size,* 30 *inches by* 52. MS.

20. Plan and Sections of FLINT ISLAND in the WESTERN BAY of ADEN, proposed for a coal depôt. 1844. *Scale of plan,* 50 *feet to* 1 *inch; size,* 27 *inches by* 40. MS.

21. Soundings in feet round FLINT ISLAND reduced to extreme low water mark as corrected by a tide gauge. 1844. *Scale,* 50 *feet to* 1 *inch; size,* 40 *inches by* 27. MS.

Plan of the SEAWARD DEFENCES at STEAMER POINT, ADEN. No date. *Scale,* 200 *feet to* 1 *inch; size,* 28 *inches by* 56. MS.

22. Outline, Plan, and Sections of RAS MORBUT at the entrance of the HARBOUR of ADEN. 1843–44. *Scale,* 80 *yards to* 1 *inch; size,* 19 *inches by* 25. MS.

Aden Defences—By Capt. Kilner, R.E. 1846.

1. Sketch of the PENINSULA, or CAPE of ADEN, with ranges of batteries and references to Bombay Letter No. 113 of 1846. *Scale,* 300 *yards to* 1 *inch; size,* 27 *inches by* 40. MS. tracing.

2. Outline Plan of the WORKS connected with the DEFENCE of the MAIN PASS at ADEN. *Scale,* 40 *feet to* 1 *inch; size,* 27 *inches by* 40. MS. tracing.

3. Enlarged Plan and Sections to accompany PLAN of WORKS connected with the DEFENCE of the MAIN PASS at ADEN. *Scale,* 12 *feet to* 1 *inch; size,* 27 *inches by* 31. MS. tracing.

4. WORKS on the SUMMIT of the CONICAL HILL in rear of RAS MORBAT. *Scale,* 15 *feet to* 1 *inch; size,* 27 *inches by* 40. MS. tracing.

Aden—General Maps, 1855–63.

Sketch of the PENINSULA or CAPE OF ADEN. *Scale,* 300 *yards to* 1 *inch.* Showing the military limits, dated August 25th 1855; the Isthmus reservoirs; proposed lakes; and Zawella tanks. *Size,* 26 *inches by* 38. MS.

Plan of the PENINSULA or CAPE of ADEN, exhibiting the proposed military limits which are colored red, marked by a dotted line. Aden, July 1855. Lithographed at the office of the Chief Engineer, Bombay, 1862. *Scale,* 200 *yards to* 1 *inch; size,* 35 *inches by* 50.

PENINSULA of ADEN, 1863. *Scale,* 600 *yards to* 1 *inch; size,* 13 *inches by* 18. Mounted on millboard. MS.

Aden Defences—By Capt. Pym, R.E. 1863?

1. Sketch Plan showing PROPOSED LINE of SCARP on the SOUTHERN RANGE at ADEN. *Scale,* 200 *feet to* 1 *inch; size,* 29 *inches by* 37. On tracing cloth. MS.

2. 3. LONGITUDINAL SECTION at crest of Proposed Scarp; also, Average Sections. *On* 2 *sheets of tracing cloth; size of each,* 29 *inches by* 37. MS.

4. BRIDGE for the SOUTH PASS. On tracing cloth. *Size,* 25 *inches by* 33. MS.

Plans of the PERMANENT BARRACKS at ADEN (Arabia). 1865. In a cover:—

1. Sketch map of the country round Aden.
2. Plan of Aden on the coast of Yemen, a province of Arabia Filex. *Scale,* 6 *miles to* 1 *inch.*
3. Artillery Barracks, Front Bay.
4. Ditto ditto.
5. Infantry Barracks, ditto.
6. Ditto ditto.
7. Ditto Isthmus.
8. Ditto ditto.
9. Ditto Steamer Point.
10. Ditto ditto.

X. CHINESE EMPIRE.

Atlases and General Maps.

Nouvel Atlas de la CHINE, de la TARTARIE CHINOISE, et du THIBET: contenant les cartes générales et particulières de ces pays, ainsi que la carte de royaumè de Corée; la plupart levées sur les lieux par ordre de l'Empéreur Cang-Hi, avec l'exactitudei maginable, soit par les PP. Jésuites Missionaires à la Chine, soit par des Tartares du Tribunal des Mathématiques, et toutes revûes par les mêmes Pères : Rédigées par M. D'Anville, Géographe Ordinaire de sa Majesté Très-Chrétienne, précedé d'une description de la Boucharie, par un Officier Suedois qui a fait quelque sejour dans ce pays.

Liste et Ordre des Cartes comprisés dans cet Atlas.

1. Carte le plus générale de toutes, comprenant la Chine, la Tartarie, et le Thibet.
2. Carte générale de la Chine.
3–17. Provinces de la Chine.
18. Carte générale de la Tartarie Chinoise.
19–30. Feuilles Particulières de la Tartarie Chinoise.
31. Le Royaume de Coée.
32. Carte générale du Thibet.
33–41. Feuilles Particulières du Thibet.
42. Voyage du Capitaine Beerings.

A la Haye, chez Henri Scheurleer. 1737. Folio, bound.

A Map of CHINA PROPER and COREA, with the outlines of the coast extended southward to include the Gulf of Siam. The part containing China Proper and Corea consists of sheets from an edition of D'Anville's Atlas de la Chine, and the remainder is in manuscript, the whole being usefully fitted together. No title or date. *Scale,* 32 *miles to* 1 *inch ; size,* 84 *inches by* 64.

An Italian Map of the COAST of CHINA from the Island of Hainan to the Strait of Formosa. No title or date. *Size,* 23 *inches by* 42. MS.

A Chinese Map of the greater part of ASIA and part of EUROPEAN RUSSIA, &c., including the whole of Siberia and the Chinese Empire; the course of the Ganges according to the Lamas, to its outlet in the Bay of Bengal; likewise of the Indus, to its outlet in the Arabian Sea; also the outlines of the Persian Gulf; part of the Red Sea; all of the Black Sea; and the straits connecting it with the Ægean; the River Dneiper; the Gulfs of Riga and Finland, and the White Sea. The names, &c. are partly in Chinese and partly in Manchu, and the title or legend on Roll No. 1, is in both languages. Engraved and printed in or about 1761. *In ten parts ; size of each,* 27 *feet* 2 *inches by* 1 *foot* 9½ *inches, forming ten rolls.*

The following translation of the Chinese part of the title or legend, was very kindly made by Robert K. Douglas, Esq., of the British Museum, and Professor of Chinese at King's College, London.

Title or Legend.

"In the course of many years during which we have been annexing territory, we "have always had regard to his sacred schemes [the previous Emperor's]."

[*Note.*—The map of the world was begun in the reign of the Emperor Kang-he (1662-1722). The imperial ancestor ordered men to visit every tribe, to make investigation, and to map the country. In case they were not able to reach any district in person, they were directed to make inquiries about it, and to embody the result in the map, which was to be engraved on copper that it might descend to future ages.]

"It is now a fact that we have extended (our dominions) as far as the Ku-sau (Fa-han).*

[*Note.*—Last year Chun-kieh-wih† (Soungar) was pacified, and all the western tribes were carefully registered. In consequence of which the censor Ko-Tsung-kwo was ordered to conduct some Europeans (or a European) by the western and northern roads to Ko-go-chih-kih‡ to calculate its position, to note the climate and seasons, and to examine carefully the mountains and valleys, the practicable and impracticable roads and paths, both far and near, and to make a map thereof in accordance with the rules previously laid down.]

"These are not mere boasts. The military officers who were engaged in pulling " down and building up, should together with the commissioners be rewarded. Let " them enter the imperial presence and reverently report. The Rebel Passes " having now been pierced, the Chinese ministers desire to see peace and prosperity " spread far and wide. We continually look back at the tranquillity which prevailed " during the Shŭh Dynasty, and long to renew it.

"An imperial note written in the 6th month of the year *ping-tzse* of the reign of " the Emperor Keen-lung (1756).

"I venture to speak of the extension (of territory). Yen-Pih (?), who had acted " in accordance with the plans of our predecessors, was after this ordered to cease " from slaughter, since the horses and cattle of Sang-gĭh-loo§ (?) have been left " without anyone to tend them, and the military posts had all been attacked and " taken."

[*Note.*—In the year 1755 when Chun-kieh-wih (Soungar) was pacified, Ho-Tsung-kwo and others were ordered to take measurements and to make a map (of this district). In the year 1759, a census was taken of all the Mahommedan tribes, and Ming-Gan-too and others were again sent to settle and pacify the country, to watch the times and seasons, to regulate the government, and to fill in their observations on the former map, that it may descend to all ages as evidence of the truth of these statements.]

"The civil rule and appointed times of the present dynasty are now respectfully " received, and even amid the cold and warmth of sunless valleys there is not to be " found a single disturber of the royal rule of the Ting Dynasty, or of the tranquillity " of the country. May this inheritance continue to all future generations!

"An additional note written by Tëĕ-Tseen-yun, in the 8th month of the year " 1760."

This map was presented to the East India Company in 1825 by John Reeves, Esq., F.R.S., and L.S. of the Company's service in Canton. It is accompanied by an imperfect MS. index of the names prepared some time since, in 1 vol. fcp. half-bound.

The map is divided into squares of 2½ inches, which seem at first sight to be formed by lines of latitude and longitude, like a plane projection. But although the perpendiculars conform on the whole to degrees of longitude, the horizontal lines do not correspond with parallels of latitude on any uniform basis. Thus, each roll is divided uniformly by equi-distant parallel lines, at 2½ inches apart; which, if the lines represented degrees, would make each roll contain 8 degrees of latitude. But while one roll actually embraces latitude to an extent of about 4½ degrees, another contains 5½, another 6½, and another more than 7 degrees. These discrepancies appear to have attracted attention on some previous occasion, as scales of latitude have been made on parchment for four of the rolls; but, on examination, it has been found that these scales cannot be relied upon for any exact purpose.

The map is nevertheless a work of importance. There is some account of it in an article on Maps of China, by Mr. W. Huttmann, in the Journal of the Royal Geographical Society, Vol. 14. Mr. Huttmann describes it as a new edition of the famous map constructed by the Jesuits under the orders of the Emperor Kang-he, combined with the more recent Jesuit Surveys of the Calmuck Territory and Eastern Turkestan, the acquisition of which by the Chinese was completed in 1759. The Emperor Kang-he's Survey formed the basis of D'Anville's "Atlas de la Chine,"

* Ferghana now Kokan.
† Chun-kieh-'rh in the "Chinese Topography."
‡ Perhaps identical with Kih-shih-kich-'rh ching, or Kashgar, of the "Chinese Topography."
§ Can this be another name for the Soungar country, to avoid tautology? For it is the Soungars who were "pacified" on this occasion by the seizure of their military posts and the slaughter of the people; and it seems to be their horses and cattle to which attention is directed.

which Mr. Huttmann correctly describes as "by no means a complete and exact "translation of the original"; but he is not right in asserting that D'Anville "limited "his responsibility to following the tracings and translations which were sent by "the Jesuits from China;" for that statement is contrary to the declaration of D'Anville himself, contained in his "Mémoire sur la Chine," published at Pekin and Paris in 1776.

These remarks are only intended to serve as a preliminary clue to the practical use of this work. It may be added that while the map displays an interest on the part of the Chinese Government in the outer world as far as the Arctic Ocean, the borders of India, St. Petersburg, Constantinople, and Mecca, it also exhibits some remarkably confused notions not due to the date of the work, of which the mixture of Turkistan with Persia is a curious example.

An Atlas of the EIGHTEEN PROVINCES of CHINA PROPER.

In Chinese.

The Chinese title, translated by Robert K. Douglas, Esq., is "Maps of each Province." A preface states that the work was executed by Lew-Kwăn in the year 1805; that three classes of towns are distinguished, namely, Fou, Chou, and Neen; and that 250 le are reckoned to a degree.

CONTENTS.

1. General Map.
2. Man-Chew Tartary.
3. Pe-che-le.
4. Keang-Nan (Gan-Hwuy and Keang-Su).
5. Keang-Se.
6. Che-Keang.
7. Fo-Keen.
8. Hoo-Pĕ. } Hoo-Kwang.
9. Hoo-Nan. } Hoo-Kwang.
10. Ho-Nan.
11. Shan-Tung.
12. Shan-Se.
13. Shen-Se.
14. Kan-So.
15. Se-Chuen.
16. Kwang-Tung.
17. Kwang-Se.
18. Yun-Nan.
19. Kwei-Chow.

The maps are joined in one length and folded in a green figured silk cover, size 13½ inches by 16.

Presented by John Reeves, Esq., of Canton, 1825.

A Map of CHINA coloured, in Provinces, with a planisphere of the

Eastern Hemisphere, and another including the whole world. In Chinese. Presented 25th November 1828, by J. G. Ravenshaw, Esq., in the name of his son, Edw. C. Ravenshaw, Esq., who obtained it in the Himalaya Mountains. Mounted on rollers. *Size*, 54 *inches by* 28.

The following note is by Robert K. Douglas, Esq.:—

"The bold heading is in Seal characters, and signifies 'A Complete Astronomical (!) 'Map. Printed in the Capital' (Peking).

"The large type on the right hand side of the map signifies 'A Complete Ter- "restrial and Celestial Map. Printed from the Imperial blocks.'

"The large type between the two planispheres signifies 'A Complete Map of the 'Four Seas taken from the work entitled *Hai-kwŏ-wăn-chien-lŭh*.'

"The smaller type between the two planispheres is a note by Ma-Tsun-leang, describing the two maps, and the shape of the earth. On the left is another note by the same author, in which it is stated that the left-hand map was drawn by Chin-keun-mun, &c.

"The title of the Map of China is in the Seal character, and signifies 'A Complete 'Map of the World.'"

Another copy of the same Map of CHINA differently coloured,

with an astronomical planisphere. In Chinese. Presented, 25th November 1828, by J. G. Ravenshaw, Esq., in the name of his son Edward Cockburn Ravenshaw, Esq., who obtained it in the Himalaya Mountains. Mounted on rollers. *Size*, 58 *inches by* 28.

The following note is by Robert K. Douglas, Esq.:—

"The bold heading is in Seal character, signifying 'A Complete Celestial and 'Terrestrial Map. Printed in the Capital' (Peking).

"The notes round the Map of China refer to the circumstances under which the dependent sovereigns, such as the rulers of Corea, Liu-chiu, Thibet, &c. hold their territory; and in this respect it is a duplicate of the preceding map, differing only in the colouring."

Observations on the route of the BRITISH EMBASSY, from KAO-MIN-TSE to NAN-CHANG-FOO. 1817. (Lord Amherst's Embassy.) Fcap., 11 pages, unbound. MS.

Map of CHINA, compiled from original Surveys and sketches by James Wyld, Geographer to the Queen. London, 1840. *Scale, 70 miles to 1 inch; size, 27 inches by 33.*

Map of CHINA and the adjacent COUNTRIES drawn from the latest Surveys and other authentic documents for Wm. H. Allen & Co., &c. By J. & C. Walker. 1842. *Scale, 75 miles to 1 inch; size, 25 inches by 31.*

Karte von CHINA und JAPAN den manen D'Anville's und Klaproth's gewidmet Potsdam von H. B. 1843. German orthography. Sheet No. 2. of Berghaus' Atlas of Asia. *Size, 27 inches by 40.*

КАРТА КИТАЯ * * * A Map of KITAI (CHINA) and the regions of the Amur River, chomo-lithographed in the Topographical Depôt (St. Petersburg) 1859. In Russian. *Size, 23 inches by 29.*

Memorandum on a General Map of the CHINESE EMPIRE by Tsung-Lae-Le. Fcap., 6 pages unbound. MS.

This memorandum does not appear to relate to either of the maps in the collection.

The NORTH-EAST PROVINCES of CHINA, including the coast from Chusan to the Gulf Liau-Tong. Compiled from Duhalde's maps of 1783, Macartney, Barrow, Parish and Staunton, 1793-7, Klaprcth and Biot, 1842, the Admiralty Surveys by Capts. Bethune, Kellett and Collinson, 1842, Capt. Vansittart, 1855, Comr. Ward and Lieut. Bullock, 1858, Monsieur Ploix' Survey of the Tientsin river, 1858. Part of the coast of Pe-Chilli from a Survey by Major A. Fisher, R.E., September 1859. By Edward J. Powell, of the Hydrographic Office, 1859. *Scale, 24 miles to 1 inch; size, 40 inches by 27.*

A CHINESE Map of the PROVINCE of KIANG-SI. *Size, 17 inches by 13.*

CHINESE TOWNS, &c.

Amoy.

Military Sketch of the CITY and SUBURBS of AMOY and the adjacent Island of Ko-ting-soo, with the defences at the date of their capture, on the 26th August 1841, by a combined naval and military force Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir William Parker, K.C.B. By Lieutenants Rundall and Johnston, Madras Engineers. *Scale, 220 yards to 1 inch; size, 20 inches by 34.* MS.

Canton.

Chart of the CANTON RIVER, with the Entrances and Islands. Compiled from original Surveys and Sketches, by James Wyld, Geographer to the Queen, 1840. *Scale, 5 miles to 1 inch.* With a plan of the City of Canton. *Scale, 2½ inches to 1 mile; size, 18 inches by 23.* In a case.

Plan of the CITY and SUBURBS of CANTON, compiled by the Quartermaster-General's Department, Chinese Expeditionary Force, 31st October 1857. *Scale,* 1,000 *feet to* 1 *inch; size,* 27 *inches by* 40. Lithographed at the Topographical Depôt, War Department.

*** With memoranda, descriptive of Canton and Suburbs.

Chin-keang-foo.

Military Sketch of the OPERATIONS against the TOWN of CHIN-KEANG-FOO on the YANG-TSE-KEANG, by a British force, under command of His Excellency Lieut.-Gen. Sir Hugh Gough, G.C.B., on the 21st July 1842. *Scale of* 400 *yards to* 1 *inch; size,* 25 *inches by* 29. MS.

Chusan.

Military Sketch of the ATTACK on the CHINESE DEFENCES at TING-HAE, in the Island of Chusan, by a combined naval and military force on the 1st October 1841, under Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir William Parker, K.C.B. Reduced from an original survey of Captain Anstruther, Madras Artillery, by the Field Engineer's Department, Eastern Expedition. *Scale, about* 440 *yards to* 1 *inch; size,* 19 *inches by* 26. MS.

Hankow.

HANKOW. Foreign Property. Surveyed by John Gavin, C.E. Hankow, Sept. 1864. *Scale,* 400 *feet to* 1 *inch; size,* 23 *inches by* 40.

Nanking.

Military Survey of the TOWN and part of the ADJACENT COUNTRY of NANKING, made in the month of August 1842, while negotiations were pending between Sir H. Pottinger, Bart., H.B.M. Plenipotentiary, and the Chinese Imperial Commissioners. By Lieut. J. W. Rundall, Madras Engineers. Assisted by Lieut. Johnston, Madras Engineers, and Lieut. Gordon, 32nd M. N. I. *Scale of* 800 *yards to* 1 *inch; size,* 34 *inches by* 29.

*** With a landscape view of Nanking from the heights near the Tae-ping Gate, from a sketch by Lieut. Johnston, Madras Engineers. MS.

Ningpo.

Field Sketch of the ATTACK on the CHINESE POSITION on the NINGPO RIVER, by a combined naval and military force on the 10th October 1841. Under Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir W. Parker, K.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *Scale,* 300 *yards to* 1 *inch; size,* 17 *inches by* 14. MS.

Military Sketch of the ATTACK on the CHINESE POSITION, Heights of SEGAON (near Ningpo), on the 15th March 1842, by the forces under the command of His Excellency, Lieut.-Gen. Sir Hugh Gough, G.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *No scale; size,* 17 *inches by* 19. MS.

Reconnoitring Survey of the COUNTRY in the VICINITY of NINGPO made under the directions of Captain Pears, Madras Engineers, Commanding Engineer with the China Expedition. By Lieuts. Rundall and Johnston, Madras Engineers, during the occupation of the town by the British troops in the winter of 1841–42. *Scale,* 1,200 *yards to* 1 *inch; size,* 30 *inches by* 50. MS.

Plan of the CITY of NINGPO as surveyed during its occupation in the winter of 1841–42 by a British force, under command of Lieut.-Gen. Sir H. Gough, G.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *Scale,* 200 *yards to* 1 *inch; size,* 28 *inches by* 21.

PEKIN and its ENVIRONS. Copied from the Survey of Colonel Ladyjenski of the Russian Army. Lithographed at Topographical Depôt, War Office, 1860. *Scale, about* 3,500 *feet to* 1 *inch; size,* 24 *inches by* 34.

Peking.

Plan of PEKING in 1817. *Scale, about* 480 *yards to* 1 *inch.* With an insertion entitled, Canal Communication from Peking to the Gulf of Pe-Chili, *on the scale of* 24 *miles to* 1 *inch.* Lithographed at the Quartermaster-General's Office, Horse Guards, July 1842, and copied by the Anastatic Process, at the Ordnance Survey Office, Southampton, in 1860. *Size,* 30 *inches by* 22.

Map of the COUNTRY round PEKIN. Copied from the Chinese Map of Asia, 1760. Names of places translated by the Rev. W. Milne. Published at the Topographical Depôt, War Office, 1859. *Scale, about* 23 *miles to* 1 *inch; size,* 27 *inches by* 36.

Shanghai.

Sketch of the CITY and SUBURBS of SHANGHAE, in the Province of Keangsoo. Surveyed by Lieuts. Johnston and Hitchins, Madras Engineers (1842). *Scale,* 400 *yards to* 1 *inch; size,* 22 *inches by* 18. MS.

Sketch of the Fortified Portion of Coast Line between WOOSUNG and PAONSHANG (leading to Shanghai), in the Yang-tse-Kiang. Signed T. T. Pears, Captain Field Engineers, Eastern Expedition. *Scale,* 400 *yards to* 1 *inch; size,* 17 *inches by* 20. MS.

Reconnoitring Sketch of the ROUTE taken by the Brigade under Col. Montgomerrie, C.B., from WOOSUNG to SHANGHAI, on the 19th June 1842. By Lieut. Johnston, Madras Engineers. *Scale,* 800 *yards to* 1 *inch; size,* 39 *inches by* 13. MS.

CHINESE COLONIAL TERRITORIES.

Manchuria.

Map to accompany the NOTES on MANCHURIA, by the Rev. Alexander Williamson. Stanford, London, 1870. *Scale,* 60 *miles to* 1 *inch; size,* 11 *inches by* 15.

Tibet.

Route Survey from BRITISH INDIA into GREAT TIBET through the Lhasa territories and along the upper course of the Brahmaputr River or Nari-chu-sanpo. Made by Pundit . . . . , and compiled from the original materials by Capt. F. G. Montgomerie R.E., F.R.G.S., G. T. Survey of India. Zincographed at the office of the Supt. G. T. Survey of India, Dehra Doon, December 1867. *Scale,* 16 *miles to* 1 *inch; size,* 24 *inches by* 49.

Upper Basins of the INDUS and SUTLEJ RIVERS with the sources of Brahmaputra and Kurnali Rivers, from route surveys made by the

Pundit explorers. Compiled from the original materials by Captain T. G. Montgomerie, R.E., F.R.G.S., G. T. Survey of India. Reduced from the original by photozincography, at the office of the Superintendant G. T. Survey of India, Dehra Doon, December 1868. *Scale*, 16 *miles to* 1 *inch; size*, 20 *inches by* 25.

The DINGRI MAIDAN and UPPER ARUN RIVER, &c., 1871. *See* Eastern Nepal, page 470.

Sheet 1 of Map illustrating the REPORT on the PUNDIT'S ROUTE through GREAT TIBET, from Ladakh to Assam, viâ the Tengri Nur (Lake) and Lhasa in 1874. Also Sheet 2 of the same. *Scale*, 16 *miles to* 1 *inch; size of each*, 40 *inches by* 27. *See* Report of Trans-Himalayan Explorations, page 466 of this catalogue.

Sketch Map of some parts of SOUTHERN and EASTERN THIBET as used many years ago by Catholic missionaries in those countries. French orthography. S. G. O. Calcutta, 1871. *Size*, 20 *inches by* 25.

Map drawn by CHOWSAM GOHAIN, of his route to ROCHMA (Rooema) from the Eastern frontier of Assam, up the Brahmaputra River. 1869–70. *Size*, 51 *inches by* 13. MS.

Chinese Astronomical Maps.

Maps of the STARS, with Titles in Seal Characters, signifying "A Chinese and European Map of the Ecliptic. Northern Hemisphere, Southern Hemisphere." The preface states that the maps were edited by Seu-Chaou-tsun, in the year 1807. *Folded in a blue cloth cover; size*, 13 *inches by* 9½.

XI. ASIATIC RUSSIA.

General Map.

КАРТА * * * Map of ASIATIC RUSSIA, constructed from the newest materials, &c. St. Petersburg, 1865. In Russian. *Scale*, 200 *Russian versts or* 132 *English miles to* 1 *inch; on* 2 *sheets; size*, 26 *inches by* 44.

The Caucasus.

КАРТА * * * Map of the CAUCASIAN REGION, constructed by the Caucasian Division of the Topographical Establishment. Tiflis, 1869. In Russian. *Scale*, 1 : 420,000 = 10 *Russian versts or* 6½ *English miles to* 1 *inch; on* 22 *sheets; size of each*, 20 *inches by* 26. With a small index map.

Orenburg.

ГЕНЕРАЛЬНАЯ КАРТА * * * General Map of ORENBURG and parts of the Khivan and Bucharian territories, on the scale of 1 : 2,100,000. (In Russian.) *On* 2 *sheets; size*, 48 *inches by* 33.

Kirgis Steppes.

КАРТА * * * Map of the Principalities of the KIRGIS KASAKS and TURKESTAN, by A. R. Levschine. 1831. In Russian. *Scale*, 70 *miles to* 1 *inch; size*, 21 *inches by* 29.

Map of the KIRGHIZ STEPPE (regions of the Orenburg and Siberian Kirghizes and of Semipalatinsk and Turkestan) and of the countries conterminous with the Central Asiatic Possessions. Copied from a Russian map published at St. Petersburg, and lithographed at the topographical depôt of the War Office. London, 1866. *Scale,* 1 : 4,200,000, *or about* 70 *miles to* 1 *inch.*

Caspian Sea.

ГЕНЕРАЛЬНАЯ МЕРКАТОРСКАЯ КАРТА КАСПІЙСКАГО МОРЯ. A general Mercator's chart of the Caspian Sea, &c. 1826. In Russian. *Size,* 36 *inches by* 24.

The CASPIAN SEA, KHIVAH, and the SURROUNDING COUNTRY. Compiled from the best sources by John Arrowsmith. 1841. *Scale,* 46 *miles to* 1 *inch; size,* 26 *inches by* 22.

Aral Sea.

Route Map from ORSK to KHIVA, shewing the outline of the east coast of the Aral by Muravin in 1741, and by Butakop in 1849. *Scale,* 90 *miles to* 1 *inch; size,* 12 *inches by* 8.

КАРТА АРАЛЬСКАГО МОРЯ. Map of the SEA of ARAL, surveyed and drawn by Capt. Lieut. Butakoff, &c., in 1848–49, and published by the Hydrographical Department of the Ministry of Marine, 1850. In Russian. *Size,* 32 *inches by* 26.

Western Siberia.

ГЕНЕРАЛЬНАЯ * * * General Map of WESTERN SIBERIA and the KIRGIS STEPPE. Drawn by the Siberian Staff Corps, and engraved at the Topographical Depôt. 1848. A new edition revised in 1868. In Russian. *Scale,* 35 *miles to* 1 *inch; on* 4 *sheets; size,* 52 *inches by* 38.

СПЕЦІАЛЬНОЙ * * * Special Map of WESTERN SIBERIA. No date. In Russian. *Scale,* 9 *Russian versts or* 6 *English miles to* 1 *inch; on* 128 *sheets; size of each,* 19 *inches by* 23. With an index map.

ТОПОГРАФИЧЕСКАЯ * * * Topographical Map of the ALTAI DISTRICT, by F. Meyen. 1864. Lithographed by A. Ilyin, 1868. In Russian. *Scale,* 1 : 420,000, *or about* 6½ *miles to* 1 *inch; on* 22 *sheets in a cover with an Index map; size,* 19 *inches by* 24.

Russian Turkistan.

КАРТА * * * Map of the Governor-Generalship of TURKISTAN. 1869. In Russian. *Scale,* 50 *Russian versts or* 33 *English miles to* 1 *inch; size,* 30 *inches by* 46.

The Amur.

КАРТА * * * Map of the Region of the AMUR, with the upper parts of the Lena and Yenisei, and the Island of Saghalin. Constructed from the observation of the Siberian expedition of the Imperial Russian Geographical Society, by Ludwig Schwarz, astronomer to the expedition. St. Petersburg, 1861. In Russian. *Scale,* 1 : 1,680,000, *or about* 27 *miles to* 1 *inch; on* 7 *sheets in a cover; size of each,* 25 *inches by* 31.

Another edition, dated 1864.

An Atlas of the AMUR RIVER from the confluence of the Shilka to its mouth. With soundings. In Russian. *Scale, 2 Russian versts or* 1⅓ *English miles to* 1 *inch; on* 46 *sheets with an Index Map dated* 1859; *size, folded,* 19 *inches by* 13.

XII. SOUTH-EASTERN ASIA.

General Maps.

Map of EASTERN ASIA, comprising China, parts of Tibet and Mongolia, Bootan, Assam, Burma, and Eastern Bengal; together with Anam, Cambodia, Siam, Laos, the Malay Peninsula, and the Indian Archipelago. By J. B. Tassin. 1840. *Scale, about* 104 *miles to* 1 *inch; in* 2 *sheets; size of each,* 22 *inches by* 30.

Sketch Map Routes from CEYLON East to CHINA by Moulmain, Zimay and Esmok, and Isthmus of Krau. To accompany report to Government from the commissioner of the Tennasserim and Martaban Provinces. Ex. Engineer's office, Moulmain, 23rd September 1861. *Scale,* 80 *miles to* 1 *inch; on tracing cloth; size,* 30 *inches by* 36. MS.

Trade Route Surveys.

The EASTERN PENINSULA and the CHINESE EMPIRE, showing Captain Sprye's proposed route for British and British-Indian commerce, and for the extension of the land telegraph to western and inland China, eastern Tibet, and Tartary from the port of Rangoon. *Scale,* 330 *miles to* 1 *inch; size,* 13 *inches by* 17.

Sketch Map of the ROUTES travelled over by Mr. James Barker from Ummerapoora to the Shan States, and on the banks of the Salween. Compiled from Yule's and Pemberton's maps, and from notes and observations made by Mr. J. Barker during his sojourn in that country from July 1856 to July 1857. By W. Montgomerie, Surveyor P. A. *Scale,* 8 *miles to* 1 *inch; on tracing cloth; size,* 37 *inches by* 26. MS.

Sketch Map of the ROUTE of LIEUTENANTS SCONCE and WATSON (from Shoogheen to Mandalay) during the Salween expedition, from December 1863 to April 1864. *Scale, about* 4½ *miles to* 1 *inch; size,* 65 *inches by* 25.

Sketch Survey (to accompany Report) of the ROUTE passed over by the SALWEEN EXPEDITION, 1864–65. Surveyed and mapped by Francis Fedden, A.R.S.M., geological survey of India. Rangoon, August 1865. *Scale,* 8 *miles to* 1 *inch; size,* 37 *inches by* 29.

*** See also China route surveys, British Burmah, and the Map of Central British Burmah.

TRADE ROUTES from BHAMO to YUNAN, through the Chinese Shan States. Surveyed and compiled by direction of Major-General Albert Fytche, C.S.I., F.R.G.S., F.E.S., Chief Commissioner of British Burma. Signed, Robert Gordon, C.E., Engineer, Bhamo Route Survey. No date. *Scale,* 8 *miles to* 1 *inch; size,* 15 *inches by* 22.

XIII. BURMA.

Geographical Sketch exhibiting Lines of Military Approach on UMMERAPOORA, the Capital of the BURMESE EMPIRE, from the S.W. frontier of Munepoor, and from the coast of Arracan. The former is laid down

from the surveys of Lieut. Pemberton in Munepoor, and the latter is the protraction of the march of the 18th Regt. Madras, N. I., across the mountains from Pekang-ye on the Irrawadie to Aeng in Arracan.. Signed, J. A. Hodgson, Surveyor-General of India. Received, November 1828. *Scale,* 16 *miles to* 1 *inch ; size,* 29 *inches by* 21. MS.

Index to the GEOGRAPHY of the EMPIRE of AVA. (By Dr. F. Buchanan.) This is a Gazetteer of Burmah before the British conquests. The names are transliterated from the Burmese, together with the European corrupted form, and they are also written in the oriental character. Numerical references are made to maps and the following journal. Quarto, half-bound. MS.

Copy of a JOURNAL of PROGRESS and OBSERVATIONS during the continuance of the Deputation from Bengal to Ava in 1795, in the Dominions of the Barma Monarch. By Dr. F. Buchanan. (No. 35.) Quarto. bound. MS.

*** See also Maps of British Burmah.

XIV. SIAM.

General Maps.

To the Honourable William Edward Phillips, Governor of Prince of Wales Island, and its Dependencies, this

Map of SIAM, CAMBOJA, and LAOS. Compiled from a large mass of original native materials, and intended as an accompaniment to a purposed geographical memoir on these countries, is inscribed by his faithful and obedient servant James Low, Lieut. Madras, Native Infantry. Dated, 1st March 1824. *Scale, about* $\frac{7}{12}$ *geographical mile to* 1 *inch ; size,* 37 *inches by* 28. MS.

A Map of SIAM, NORTH LAOS, MARTABAN, TENASSERIM, and part of the MALAYAN PENINSULA. Compiled by Capt. James Low, of the Madras Army. Dated, Prince of Wales Island, 1st January 1830. *Scale,* ¼ *geographical mile to* 1 *inch ; size,* 47 *inches by* 30. MS.

*** With a MS. pamphlet containing a lists of positions and places in Capt. James Low's Map of Siam, &c.

Carte du ROYAUME de SIAM, dressée sous la direction de Monseigneur Pallegoix, Evêque de Siam, d'après ses itineraires et divers documents; par Charle, Geographe, 1854, Paris. *Echelle de milles Anglais,* 80 *to* 1 *inch ; size,* 29 *inches by* 21.

*** With two insertions, one entitled, Plan de Bangkōk, and the other Environs de Bangkok on a large scale.

Route Maps.

Route from the THREE PAGODAS to KADEING-TSEING, the 1st Siamese chokey on the road to Bankok. By Lieut. Leslie, 13th M.N.I. 1827. *Scale,* 1 *mile to* 1 *inch ; size,* 26 *inches by* 18. MS.

A Sketch of the COUNTRY between the THREE PAGODAS and CAMBOOREE, on the banks of the Kadeing-tseing River. By Lieut. Leslie, 13th M. N. I. *Scale,* 4 *miles to* 1 *inch ; size,* 33 *inches by* 16. MS.

Isthmus of Kraw.

ISTHMUS of KRAW. Correspondence including the Report of Captains Fraser and Forlong. With two maps. Printed by order of the House of Commons, 16th March 1863. No. 108. Fcap.

Part of the GULF of SIAM and the EASTERN COAST of the BAY of BENGAL, to illustrate a paper on the Isthmus of Kraa. By Sir Robert H. Schomburgh, Ph. D., &c., H.B.M. Consul to the Kingdom of Siam, 1858. No. 1. *Scale*, 14 *miles to* 1 *inch; size*, 25 *inches by* 24. MS.

Sketch of a ROUTE across the ISTHMUS of KRAA, and some of the tin localities near the southern boundary of the Tenasserim Provinces. By Captain Tremenhere, Executive Engineer, Tenasserim Provinces. 1843. *Scale*, 4 *miles to* 1 *inch; size*, 19 *inches by* 23. MS.

XV. COCHIN CHINA.

Mémoire sur la Côte et les Ports de COCHIN-CHINE, pour servir d'Instruction aux cartes et plans des Mers de Chine. Par J. M. Dayot, Mandarin à la cour de Cochin-chine. 1796. Quarto, 68 pages, half-bound. MS.

*** Dedicated "to the President and Members of the Select Committee for all "affairs of the Honourable East India Company in China," &c.

XVI. STRAITS SETTLEMENTS.

Malay Peninsula.

A Map of the SEA COAST from PANJAING ISLAND, 8° N. lat. to MALACCA. With the coastal limits of the Kingdoms of Quedah, Pera, and Salengore. *No title, date, or scale; size*, 52 *inches by* 40. MS.

Map showing the POSITION of the JAKUNS in the MERIDIONAL PART of the MALAYAN PENINSULA. By the Rev. P. Favre, Apostolic Missionary. Malacca, 15th March 1848. *Scale, about* 7 *miles to* 1 *inch; size*, 24 *inches by* 38. MS.

Prince of Wales Island.

Plan of PRINCE OF WALES ISLAND and the Territories ceded thereto on the opposite shore, on a scale of 4,000 feet to 1 inch, as surveyed and drawn under the directions and orders of the Hon. William Edward Phillips, Governor, &c., &c. in 1820 by His most obedient humble servant, W. Fletcher, Surveyor. *Scale*, ¾ *mile to* 1 *inch; size*, 40 *inches by* 30. MS.

Plan of part of POOLO PENANG or PRINCE OF WALES ISLAND, with its harbours. No date. *Scale*, 1,000 *yards to* 1 *inch; size*, 48 *inches by* 24. MS.

Map of PRINCE OF WALES ISLAND or Pulo Penang and Province Wellesley, surveyed under the auspices of the Hon. Colonel W. J. Butterworth, C.B., Governor, &c., including a careful survey of the South Channel made in 1853. By J. Moniot, Government Surveyor. With nautical directions. *Scale*, 1 *mile to* 1 *inch; size*, 35 *inches by* 30.

George Town, P. W. I.

PRINCE OF WALES ISLAND. Lines of Retrenchment proposed as an economical plan for covering the rear or land side of George Town, from sea to sea, to protect it against surprise or the attack of a predatory squadron, *vide* letters of the 20th and 29th December 1806. *Scale*, 50 *yards to* 1 *inch; size*, 29 *inches by* 38. MS.

PRINCE OF WALES ISLAND. Sketch of the European Barracks for 1,000 troops erected on emergency, Sept. 1806. *Scale*, 60 *feet to* 1 *inch; size*, 24 *inches by* 19. MS.

A Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, as surveyed in the year 1807, by Jerh. McCarthy. Capt. Robertson, Superintending Engineer and Surveyor. With names of streets, owners of property, &c. *Scale*, 32 *inches to* 1 *mile; size*, 31 *inches by* 52. MS.

Another copy, with trees, &c., but no names.

A Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, with an accurate survey of the ground granted by Government to individuals in the district of Tulloo Air Rajah as far as Pine Apple Lane. Surveyed agreeably to the orders of the Honorable the Governor and Council in the years 1807 and 1808. By their most obedient humble servant, Jerh. McCarthy. *Scale*, 16 *miles to* 1 *inch; size*, 30 *inches by* 52. MS.

Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, with Pit Street prolonged to the Prangin River, and widened to 120 feet. By Jerh. McCarthy, Surveyor to the Government. 24th Nov. 1814. *Scale*, 16 *inches to* 1 *mile; size*, 24 *inches by* 19. MS.

Singapore.

Map of the TOWN and HARBOUR of SINGAPORE. No title. Received 18th June 1825. *Scale*, 400 *yards to* 1 *inch; size*, 30 *inches by* 29. MS.

Plan of the ISLAND of SINGAPORE, including the new British Settlement and adjacent Islands. The Settlement Environs, New Harbour, and adjacent Islands surveyed by Lieut.-Colonel Farquhar. The Circuit of the Island, Old Straits, and Islands by Capt. Franklin, assisted by J. F. Bernard, Esq. Soundings from the Charts of Capt. Ross and Mr. Horsburgh. Received 18th June 1825. *Scale*, 1 *mile to* 1 *inch; size*, 37 *inches by* 50. MS.

Plan of SINGAPORE and the ENVIRONS, showing the Disposition of the Works for its defence. Inspector-General's Office, Fort Cornwallis, 4th September 1827. *Scale*, 100 *yards to* 1 *inch; size*, 35 *inches by* 48. MS.

Plan of SINGAPORE TOWN and adjoining Districts from actual Survey, by John Turnbull Thomson, Government Surveyor, Singapore. John Arrowsmith, London, 1846. *Scale*, ¼ *mile to* 1 *inch; size*, 27 *inches by* 34.

SINGAPORE. NEW HARBOUR. By J. T. Thomson, Government Surveyor. 1849. Corrections from Mr. Richards, Master, R.N. 1859. *Scale*, 1,000 *feet to* 1 *inch; size*, 18 *inches by* 20. Engraved by J. and C. Walker.

XVII. ISLANDS IN THE INDIAN OCEAN.

General Chart.

Chart of the INDIAN and PACIFIC OCEAN, extending from Calcutta to China, Australia, and New Zealand. Compiled chiefly from Surveys of the Officers of the Hon. East India Company and of the Royal Navy, by John Walker, Geographer to the East India Company. Published by W. H. Allen and Co., 1849. *Scale*, 114 *nautical miles to* 1 *inch on the equator; size*, 49 *inches by* 52.

Ceylon.

(CEYLON.) Tab. XII. Asiæ, Taprobanam repræsentans. Medius meridianus 125, ad quem reliqui inclinantur ratione æqui-noctialis et 9 septentrionalis. No date. *Size,* 18 *inches by* 21.

FORT OSTENDBURG (Trincomalee?) A large drawing in watercolours, without title, scale, or date. *Size,* 30 *inches by* 80. MS.

Madagascar.

Memoir and notice explanatory of a CHART of MADAGASCAR and the NORTH-EASTERN ARCHIPELAGO of MAURITIUS; drawn up according to the latest observations, under the auspices and government of his Excellency Robert Townsend Farquhar, Governor, &c. of the Isle of France and dependencies, &c. By Lislet Geoffroy, &c. London, 1819. (With the Chart.) 4to. bound.

Seychelles Islands.

Plan of the TOWN of MAHÉ, Island of Mahé, Seychelles (Indian Ocean). Drawn and surveyed by Lieut. H. Cole, Royal Staff Corps. No date. *Scale,* 300 *feet to* 1 *inch; size,* 17 *inches by* 22. MS.

XVIII. ASIATIC ARCHIPELAGO.

General Maps.

Algemeene Kaart van NEDERLANDSCH OOSTINDIE, met hoogstdeszelfs toestemming opgedragen aan Zijne Majesteit Den Koning Der Nederlanden, volgens echte bescheiden, grootendeels in handschrift berustende bij de Archieven van het Koloniaal Bestuur te's Gravenhage en te Batavia, mitsgaders uit medeelingen van Geleerden, Beambten, Zee- en Landofficieren in Nederlandsch Indie, te zamengesteld door G. F. Baron von Derfelden van Hinderstein, Kamerheer van Z. M. Lid van de Ridderschap en van de Staten van Utrecht, Ridder der Ordre van den Nederlandschen Leeuw, enz.: Uitgegeven op Last Des Konings, Onder het bestuur van Zijne Extie. den Hre. J. C. Band, Minister van Kolonien, Groot-Kruis der Orde van den Nederlandschen Leouw, enz., enz., en het opzigt van den Luitenant ter Zee 1e. klasse Jhr. G. A. Tindal, Lid der Commissie tot het vinden der lengte op Zee. Ridder van het Legiven van Eer en van de Zeizerlijke Russische Orde van St. Anna. 1842. *In* 8 *sheets; size of each,* 40 *inches by* 30, *with another sheet* forming An Index Map to the foregoing, entitled—

Verzamelingsblad der Kaart van NEDERLANDSCH OOSTINDIE, in acht bladen, door G. F. Bon. von Derfelden van Hinderstein. *One set complete and half-bound in an Atlas; and another imperfect in sheets, Nos.* 1 *and* 3 *being wanted.*

Mémoire analytique pour servir d'explication à la carte générale des possessions NEERLANDAISES dans LE GRAND ARCHIPEL INDIEN, par Le Baron G. F. von Derfelden, de Hinderstein, &c., &c. 1841. 4to. printed cover.

Algemene Land- en Zee-Kaart van de NEDELANDSCHE OVERZEESCHE BEZITTINGEN, met het Koningbruk der Nederlanden in Europa. Op de Schaal van 1 : 3,000,000. Opgedragen aan den Heer Generaal Majoor J. W. Walther, Gouverneur der Koninklijke Akademie voor de Zee- en Landmagt. Naar de beste en nieuwste bronnen onder deskundig toezigt zamengesteld en geteekend, door A. J. Bogaerts, Lithograaf, werkzaam aan voornoemde Akademie. Breda, 1857. *Size,* 42 *inches by* 77.

Banka.

Map of the ISLAND of BANKA compiled from remarks and materials collected during a journey through the island. Annexed to a Report on the same and addressed to the Honourable Thomas Stamford Raffles, &c. By Thomas Horsfield. (1820.) *Scale,* 6 *miles to* 1 *inch ; size,* 20 *inches by* 26.

Mineralogical sketch of the ISLAND of BANKA, uniform with the foregoing map.

Kaart van het EILAND-BANKA. 1847. *Scale,* 10 *miles to* 1 *inch ; size,* 14 *inches by* 29.

Sumatra.

Map of the ISLAND of SUMATRA, constructed chiefly from Surveys taken by order of the late Sir Thomas Stamford Raffles. 1829. *Scale, about* 26 *miles to* 1 *inch.*

*** With an insertion entitled " Sketch of the Island of Singapore." *Scale of* 4 *miles to* 1 *inch ; size,* 37 *inches by* 33.

Report of a Journey to the Interior of the ISLAND of SUMATRA. By Thos. Barnes. 1818. Fcap. folio, 83 pages ; with a map of the route from Moco-Moco to Pengkalan Jambi. MS. The first part has been published in the Malayan Miscellanies, Vol. 2.

Java, General Map.

Plan of the N. E. POINT of JAVA, designed to show the principal Mountains, Volcanoes, Rivers, and most remarkable features of that part of the Island. May 16, 1872. *Scale,* 6 *miles to* 1 *inch*; *size,* 19 *inches by* 23. MS.

Profil over het EILAND JAVA van een aantal Bergen, welke voor de zeevaart van belgang Zijn ; door den Luitenant ter Zee de 2e Klasse Jonkheer P. Melvill van Carnbee. Te Amsterdam, bij de wed. Gerard Hulst van Keulen. 1842. *Size,* 24 *inches by* 30.

Kaart von het EILAND JAVA. Uitgegeven op last van en opgedragen aan Zijne Excellentie den Minister van Kolonien Chs. F. Pahud, Ridder Grootkruis der Orde van den Nederlandschen Leeuw, der Leopold, sorde van Belgie en van den Rooden Adelaar van Pruissen ; door Dr. F. Junghuhn, Ridder van de Orde van den Nederlandschen Leeuw en van den Rooden Adelaar 3e Kle. van Pruissen. Fe zamengesteld uit de waarnemingen en optemingen door hem gedaan gedurende Zijne onderzoekings reizen op dat eiland in de jaren 1835 tot 1848. Up steen gebragt te Breda bij A. J. Bogaerts. 1855. Schaal van 1 : 350,000. *In* 2 *sheets ; size of each,* 33 *inches by* 64.

KAART van het EILAND JAVA, te zamengestelt uit officiele bronnen, door C. W. M. Van de Velde, Lieutenant ter zee, &c. 1845. *Scale,* 11 *miles to* 1 *inch ; size,* 25 *inches by* 64.

KAART van JAVA en MADURA, op de schaal van 1 : 1,000,000 door Le Clercq, op steen gebragt door A. J. Bogaerts. Breda, 1850. *Scale,* 15·7 *miles to* 1 *inch ; size,* 17 *inches by* 45.

Java, Residency Maps.

The Island of Java, under the Governor-General of the Dutch East Indies, is divided into twenty-two Residencies, of which separate maps are being published by the Dutch

Government, by whom the following have been presented to the India Office. This series is very handsomely drawn and printed in colours, and beautifully illustrates the extraordinary volcanic structure of the country.

1. *Bagelen Residency.*

Topographische Kaart der Residentie BAGELEN opgenomen teu gevolge Gouvernements besluit dd., 26 Mei 1857, Ner. 4. Onder de leiding van den Kolonel Directeur der Genie W. C. von Schierbrand, door den Kapitein R. F. de Seijff, en 1e Teekenaar der Genie K. Wilsen, onder medehulp van Strauss, enz. Geteekend op de Schaal van 1 : 100,000 door Schirmer, P. Fruhling, Ostreig. *In 4 sheets; size of each, 24 inches by 29.* In a cover.

2. *Banjoemaas Residency.*

Topographische Kaart van de Residentie BANJOEMAAS opgenomen en Zamengesteld gedurende 1857, '58, '59, en '60, teu gevolge gouvernements besluit dd. 21 Februarij 1857, No. 23. Onder leiding van den Kolonel Direkteur der Genie W. C. von Schierbrand, door den Kapitein der infanterie, W. Beijerink onder medehulp van de 1e Luitenants, Mickler, enz. enz. Geteekend op de Schaal van 1 : 100,000 door Bertrand, Schirmer, en Fruhling. *In 3 sheets; size of each, 38 inches by 25.* In a cover.

3. *Djokjakarta Residency.*

Topographische Kaart der Residentie DJOKJAKARTA opgenomen ingevolge gouvernements besluit dd. 9 Julij 1861, No. 6. Door de opnemingsbrigade, te Zamengesteld uit den mililair ambtenaar der 1ste klasse K. F. Wilsen (Chef) en de opnemers, enz. op de Schaal van 1 : 100,000 door bagetto en Ph. Frühling. In steendruk gebragt aan het Topographisch Bureau te 'S Gravenhage. *In 4 sheets; size of each, 23 inches by 29.* In a cover.

4. *Kadoe Residency.*

Topographische Kaart der Residentie KADOE opgenomen, teu gevolge gouvernements besluit van 1 Januarij 1860, No. 24. Onder de leiding van den Kolonel Directeur der Genie, W. C. von Schierbrand. Geteekend op de Schaal van 1 : 100,000 door den Chef der opname F. K. Wilsen en J. Fruhling en L. Donadien. *In 2 sheets; size of each, 23 inches by 29.* In a cover.

5. *Pekalongan Residency.*

Topographische Kaart der Residentie PEKALONGAN opgenomen ingevolge gouvernements besluit dd. 27 Mei 1863, No. 19. Door de opnemingsbrigade te Zamengesteld uit von Ballusek 1e Lt. Chef, Gewin, Donnadien, Dormann, Raschke, Liedel, von Oertel, Victor, von Pfeil, Boretius, Listard, von Dobschütz, Oehlschläger, von Moltke, overgebragt en geteekend op de Schaal van 1 : 100,000. Door G. F. Bajetto. In streendruk gebragt aan de Topographische Inrigting te 'S Gravenhage. *Size, 24 inches by 29.* In a cover.

6. *Semarang Residency.*

Topographische Kaart der Residentie SEMARANG opgenomen ten gevolge gouvernments besluit, dds. 17 Augustus 1860, No. 3, onder de leiding van den Generaal Majoor Direkteur der Genie W. C. von Schierbrand door den Majoor W. Beijerinck gedurende de jaren 1861, '62, '63, en '64. Geteekind op het topographisch Bureau te Batavia op de Schaal van 1 : 100,000. In Steendruk gebracht aan de Topographische Inrigting te 'S Gravenhage. *On 6 sheets; size of each, 23 inches by 29.* In a cover.

7. *Soerakarta Residency.*

Topographische Kaart der Residentie SOERAKARTA opgenomen ingevolge gouvernements besluit dd. 9 Junij 1861, No. 6, en 13 November 1862, No. 26, door de Opnemings Brigade zamengesteld uit Beijerinck, Majr. Chef, en later Ockerse 1e Luit. Chef, met medewerking van Bicker, 1e Luit., Schmulling, von Balluseck, Meijer, 2e Luits. en de opnemers, enz., enz., gedurende de jaren 1861, '62, '63, '64, '65, en 1866. Geteekend op het Topographisch Bureau, enz., op de Schaal van 1 : 100,000. In steendruk gebragt aan de Topographische Inrigting te 'S Gravenhage. *On* 6 *sheets ; size of each,* 23 *inches by* 29. In a cover.

Java Memoirs.

Fragment of a JOURNAL, beginning March 1st 1811, kept on board the Ship " Mary," carrying Lord Minto's body-guard from Calcutta to Batavia, on the EXPEDITION to JAVA, commanded by Sir Samuel Auchmuthy, and Commodore Broughton. An Account of the Capture of Batavia, of Balls and Dinners given to Lord Minto and Mr. Raffles Journal of a Voyage from Calcutta to England, Feb. 6 to July 20, 1812.

Also a JOURNAL of a March, from DONGUR to GWALIOR, &c. (By Capt. George Everest.) Fcap., bound. MS.

JAVA SURVEY, by Captain Everest. Routes in Java, by G. P. Baker. 1815. Fscap., boards. MS.

Military and Political Memoir of a SURVEY in JAVA in 1815–16, by Captain G. P. Baker; with an Appendix of Notes and seven Tables of Routes and Distances. Instructions dated 20th May 1815. Fscap., stiff cover. MS.

Memoir of a SURVEY in the NATIVE PRINCES' DOMINIONS of JAVA. 1815–16. By Captain G. P. Baker. Fcap., stiff cover. MS.

Strait of Allass.

A View of the Entrance of the STRAITS of ALLASS and PEAK of LOMBOCK, &c. as seen on board the Honourable East India Company's ship "Princess Amelia," Capt. Balston, on the 27th day of November 1816. Water-colour drawing. *Size,* 15 *inches by* 39.

Borneo.

To the Subscribers to the Borneo Church Mission Institution this
Map of BORNEO, constructed principally from that of Baron Melvill de Carnbee and the unpublished Admiralty Surveys, is respectfully inscribed by Augustus Peterman, F.R.G.S., &c., &c. March 1st, 1851. *Scale, about* 34½ *nautical miles to* 1 *inch.*

*** With three insertions, entitled (1) Outline Sketch of the Indian Archipelago; (2) Province of Sarawak ; (3) Labuan Island. *Size,* 30 *inches by* 22.

Papers relating to BORNEO, and the proceedings of James Brooke, Esq., at Sarawak. 1841, '42, '43, '44. Fcp., half-bound. MS.

MAPS IN ORIENTAL LANGUAGES.

Arabic.
Bengali.
Canarese.
Gujarati.
Hindi.
Hindustani or Urdu.
Hindustani and Hindi.
Marathi.
Sanscrit.
Tamil.
Telegu.
Uriya.

Arabic.

An Arabic Map of the whole of EUROPE, ASIA MINOR, and NORTH AFRICA. By Francis Raffelsberger, Court Geographer. Vienna, 1854. Written and translated by Mahommed Hassan, the Egyptian. *Size, 7 feet by 7 feet. Folded in a large cloth case; size,* 15 *inches by* 23.

Bengali.

The BENGAL ATLAS, a series of original and authentic maps of most of the district, included in the Lieutenant Governorship of Bengal. By Rájendralála Mitra. 1873. Twenty-three maps in Bengali. Folio, half bound.

Improved BENGALI ATLAS. Lithographed by Bose and Palit. Ten Maps, no date. Folio, in Yellow cover.

A Bengali Map of the WORLD in HEMISPHERES. (It appears to be one of the series published by the Calcutta School Book and Vernacular Literature Society, but there is no imprint on the map.) No date. *On* 8 *sheets; size,* 50 *inches by* 76.

A Bengali Map of ASIA. Published by the Calcutta School Book and Vernacular Literature Society, Hoogly Normal School, 1861–68. *On* 6 *sheets; size,* 54 *inches by* 64.

A Bengali Map of NORTH and SOUTH AMERICA. Published by the Calcutta School Book and Vernacular Literature Society, Hoogly Normal School, 1866. *On* 6 *sheets; size,* 54 *inches by* 64.

ভারতবর্ষ. To the Most Noble the Marquis of Hastings, K.G., late Governor-General of India. This Map of India, now for the first time published in the Bengalee language, is inscribed by * * * The Serampore Missionaries, Serampore College, 1824. Drawn and engraved by J. Walker. London, 1825. *Size,* 38 *inches by* 26; *mounted in a case.*

BHARATA VARSHA MANACHITRA. A Bengali Map of the Sunderbunds and Twenty-four purgunnahs, with parts of Nuddea and Jessore, &c. By Captain James Prinsep, Engineers. Lithographed by Tassin, Calcutta. Received in 1850. *On* 4 *sheets; size,* 30 *inches by* 36.

Canarese.

Map of the WORLD in CANARESE. Prepared for the Mysore Educational Department at the Mysore Government Press, Bangalore, 1869. In Hemispheres. *Size,* 40 *inches by* 62.

Gujerati.

A Gujerati Map of GUJERAT. *Scale,* 10 *miles to* 1 *inch; size,* 33 *inches by* 40.

Also, a later edition, revised.

A Gujerati Map of AHMEDABAD COLLECTORATE. *Scale, 3 miles to 1 inch; size, 52 inches by 46.*

A Gujerati Map of BROACH COLLECTORATE. *Scale, 3 miles to 1 inch; size, 23 inches by 18.*

A Gujerati Map of the KAIRA COLLECTORATE. *Scale, 3 miles to 1 inch; size, 24 inches by 20.*

A Gujerati Map of the SURAT COLLECTORATE. *Scale, 3 miles to 1 inch; size, 28 inches by 21.*

*** These Gujerati Maps were issued by the Bombay Educational Society, 1856.

Hindi.

HIND wá HINDUSTHÁN KÁ NAKSHÁ. A Hindi Map of INDIA. Published by J. B. Tassin, Calcutta. (1840 ?) *Scale, 40 miles to 1 inch; size, 58 inches by 50.*

A Hindi Map of KUMAON and GURHWAL. Printed at the Government Press, N.W.P., Allahabad. 1869. *Size, 33 inches by 33.*

A Hindi Map of FARRUKHABAD. Government Press, Allahabad. 1870. *Size, 34 inches by 40.*

A Hindi Map of TAHSIL KASGUNJE, Zillah Etah, N.W.P. 1869. Government Press, Allahabad. *Size, 27 inches by 32.*

A Hindi Map of the PROVINCE of AJMERE, Rajpootana. Printed at the Government Press, Allahabad, North-West Provinces. *Scale, 4 miles to 1 inch; size, 34 inches by 33.*

A Hindi Map of the CENTRAL PROVINCES. Bombay Education Society's Press. No date. *Scale, 16 miles to 1 inch; size, 42 inches by 51.*

A Hindi Map of the EASTERN AND WESTERN HEMISPHERES. Secundra Orphan Press. No date. *Size, 13 inches by 20.*

A series of HINDI DISTRICT MAPS of the following districts in the North-west Provinces:—

Agra, Allyghur, Bareilly, Etawah, Muthra, Mynpooree, Pilleebheet, and Shahjuhanpoor. *8 sheets; size of each, about 23 inches by 20.*

A Hindi Map of the NORTH-WEST PROVINCES and OUDE, with Tables of Distances. *Size, 12 inches by 19.*

A Hindi Map of KAMAUN and GARHWAL. 1875. Printed at the Government Press, Allahabad.

Hindustani or Urdu.

A Hindustani Map of INDIA. Printed by Nawal Kishur at Lucknow, for the Normal Schools of Oude. 1868. *Scale, 45 miles to 1 inch; size, 49 inches by 42.*

A Hindustani Map of INDIA. Prepared by Bhumaya Saenna, assisted by Junardhun Wassudeo of Bombay, P. W. Department. Lithographed at the Educational Society's Press, Byculla, Bombay. 1869. *Size, 46 inches by 56.*

A Hindustani Map of INDIA. No imprint or date. *Size, 43 inches by 50.* (From the Punjab Government, 1873.)

A Hindustani Map of ASIA. Printed by Nawal Kishur at Lucknow, for the Normal Schools of Oude. 1868. *Size, 42 inches by* 49.

A Hindustani Map of the PUNJAB. No imprint or date. *Scale,* 16 *miles to* 1 *inch; size,* 35 *inches by* 36.

A Hindustani Map of the PUNJAB. No imprint or date. *Size,* 42 *inches by* 50. (From the Punjab Government, 1873.)

A series of HINDUSTANI DISTRICT MAPS of the following districts in the North-West Provinces:—

Agra, Allyghur, Bareilly with Pilleebheet and the Terai, Etawah, Muthra, Mynpooree, Shahjuhanpoor. 7 *sheets; size of each, about* 24 *inches by* 20.

A Hindustani Map of the NORTH-WEST PROVINCES and OUDE, with Tables of Distances. *Size,* 12 *inches by* 19.

Hindustani (or Urdu) and Hindi.

A bi-lingual Map of the EASTERN HEMISPHERE in the Hindustani and Hindi languages. Government Press, Allahabad. 1869. *Size,* 45 *inches by* 49.

A bi-lingual Map of ASIA in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad, N.-W. Provinces. 1872. *Size,* 28 *inches by* 36.

A bi-lingual Map of ASIA in the Hindustani and Hindi languages. Printed by Núr-el-Absár. 1853. *Size,* 29 *inches by* 35.

A bi-lingual Map of JALOUN DISTRICT, N.W.P., in the Hindustani and Hindi languages. Government Press, Allahabad. 1870. *Size,* 34 *inches by* 40.

A bi-lingual Map of INDIA, in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad. 1869. *Size,* 34 *inches by* 29.

Another edition, 1875.

A bi-lingual Map of INDIA in the Hindustani and Hindi languages. Printed by Núr-el-Absár. 1853. *Size,* 35 *inches by* 29.

A bi-lingual Map of the NORTH-WEST PROVINCES in the Hindustani and Hindi languages. 1875. Printed at the Government Press, Allahabad. *Size,* 25 *inches by* 38.

A bi-lingual Map of HAZOOR TUHSIL PERGUNNAH in Agra District, N. W. P., in the Hindustani and Hindi languages. *Size,* 20 *inches by* 24.

A bi-lingual Map of PAPUND PERGUNNAH in ETAWAH DISTRICT, N.W.P., in the Hindustani and Hindi languages. 1868 *Size,* 17 *inches by* 22.

A bi-lingual Map of BIGHÚNA PERGUNNAH in Etawah District, N.W.P., in the Hindustani and Hindi languages. 1868. *Size,* 17 *inches by* 22.

A bi-lingual Map of DATELNAGAR PERGUNNAH in Etawah District, N.W.P., in the Hindustani and Hindi languages. 1868. *Size,* 17 *inches by* 22.

A bi-lingual Map of DISTRICT HAMIRPUR, N.-W. Provinces, in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad. 1870. *Size*, 48 *inches by* 38.

Marathi.

BETTS' EDUCATIONAL MARATHI MAPS. Constructed especially for the Education Department of the Bombay Government, A map of INDIA. 1872. *On* 2 *sheets; size*, 35 *inches by* 39.

INDIA by Balajee Narayn Fadakey, Poona. Government Office, Poona. 1873. (A Marathi Map.) *Size*, 48 *inches by* 40.

A Map of INDIA. By Wishnu Wasadew Godbole, Bombay, Kadam's Press. 1873. (A Marathi Map.) *Size*, 48 *inches by* 40.

A Marathi Map of the CENTRAL PROVINCES. Bombay Education Society's Press, Byculla. *Size*, 40 *inches by* 52.

A Marathi Map of the BOMBAY PRESIDENCY. Lithographed at the Bombay Education Society's Press, Byculla. 1872 ? *Size*, 54 *inches by* 35.

A Marathi Map of the SURAT COLLECTORATE. Bombay Education Society's Press, Byculla. 1873. *Size*, 36 *inches by* 46.

Sanscrit.

A Sanscrit Chart of the SOLAR SYSTEM. *Size*, 42 *inches by* 40. MS.

Tamil.

A Tamil Map of ASIA. Oriental Lithographic Press, Madras. 1872. *Size*, 27 *inches by* 33.

Five Tamil Maps of EUROPE, ASIA, AFRICA, NORTH AMERICA, and SOUTH AMERICA. Oriental Lithographic Press, Madras. *Size of each*, 9 *inches by* 11.

Telegu.

A Telegu Map of ASIA. Oriental Lithographic Press, Madras. 1872. *Size*, 27 *inches by* 33.

Five Telegu Maps of EUROPE, ASIA, AFRICA, NORTH AMERICA, and SOUTH AMERICA. Oriental Lithographic Press, Madras. *Size of each*, 9 *inches by* 11.

Uriya.

An Uriya Map of CUTTACK DIVISION, including the Districts of BALASORE, CUTTACK, and POOREE, with the CUTTACK MEHALS. 1865. *On* 2 *sheets; size*, 31 *inches by* 38.

An Uriya Map of AFRICA. 1868. *On* 4 *sheets; size*, 50 *inches by* 42.

An Uriya Map of NORTH and SOUTH AMERICA. 1866. *On* 6 *sheets; size*, 63 *inches by* 50.

*** These Uriya Maps were published by the Calcutta School Book and Vernacular Literature Society.

A LIST OF THE GENERAL ATLASES AND MAPS

OF THE

WORLD, EUROPE, AFRICA, AMERICA, AND AUSTRALASIA,

IN THE COLLECTION AT THE INDIA OFFICE.

ATLASES AND MAPS OF THE WORLD.

Geographie du MOYEN AGE, étudiée par Joachim Lelewel. Atlas composé de cinquante planches, gravées par l'auteur. Breslau, 1851. Oblong 4to. boards.

(Contenant 145 figures et cartes générales ou spéciales de 88 geographes Arabes et Latins de différentes époches, y compris les cartes comparatives, doubles ou triples, accompagnées de 11 cartes explicatives et de deux articles geographiques.)

Mappe MONDE dressée en 1459, par Fra Mauro, Cosmographe Vénétien, par ordre d'Alphonse V. Roi de Portugal. Publiée pour la première fois de la grandeur de l'original avec toutes les Légendes. Par le Vicomte de Santarem. Paris, 1854. *Six sheets; size of each*, 36 *inches by* 42.

A POLAR DRAFT of all the DISCOVERED LANDS about the NORTH POLE wherein is noted the discoverie of such Englishmen that have endeavoured to find a passage to Japan, China, &c., by ye North East and North West. As also a Track of the present intended Voyage of that noble-minded Commander Capt. John Wood, upon the discovery aforesaid. By Joseph Moxon, Hydrographer to the King's Most Excellent Majesty. London, 1676. Lithographed Facsimile of a Chart in the Library of the Honourable East India Company by William Lines, East India House, 17th August 1848. *Size*, 18 *inches by* 21.

An ATLAS (no title), containing—Mappe Mondie dediée à Monseigneur le Comte de Maurepas, Ministre et Secretaire d'Etat, par le Rouge, Geographe du Roi, 1744.—Map of England, by T. Kitchin, Geographer.—Scotland, by James Dorret, Land Surveyor, 1761.—Ireland from Surveys of Sir W. Petty. —Europe, par M. de Cassini et M. Hass, 1747.—Asie, par Sr. le Rouge.—Afrique suivant les R. P. Jésuites, 1747.—Amérique, Charlevoix et Condamine, 1746.—Carte des Postes de France, 1748.—Elaborate maps of Holland, Flanders, and Italy, 1745. —Plans of battles: Rocoux, 1746; Fontenoy, 1745; Dettingen, 1743, &c., &c. In 1 vol. folio, half bound.

CARY'S NEW UNIVERSAL ATLAS, containing distinct maps of all the principal States and Kingdoms throughout the World. Sixty Maps. London, 1811. Folio, half bound.

*** Including a map of the Central States of Europe according to the Congress of Vienna and the treaties of Paris in 1814–15, published in 1817.

Map of the WORLD, (in hemispheres). Compiled, engraved and published by John Walker, 1st January 1818. *In 4 sheets; size of each,* 21 *inches by* 40.

The WORLD. To His Most Gracious Majesty George the 4th, this delineation of the present state of Geographical Knowledge is with permission most humbly dedicated by his Majesty's most obedient and very devoted servant James Gardner, 1825. (Hemispheres.) *In* 8 *sheets and title sheet; size of each,* 30 *inches by* 27. Also one copy in a folio vol., half bound.

AN HISTORICAL ATLAS: in a series of maps of the World as known at different periods; constructed upon an uniform scale, and coloured according to the political changes of each period: accompanied by a narrative of the leading events exhibited in the maps: forming together a general view of Universal History from the Creation to A.D. 1828. By Edward Quin, M.A. &c., London, 1830. Twenty-one maps. Quarto, half bound.

Plan of STEAM OPERATIONS for OFFENSIVE and DEFENSIVE WARFARE by John Cochrane Hoseason, Captain, Royal Navy. Transcribed from the original chart made in 1841. With polymetrical tables of distances. *Size,* 18 *inches by* 30. Engraved by Stanford, London.

The WORLD on Mercator's Projection, by James Wyld, Geographer to the Queen. London, 1843. *Size,* 27 *inches by* 40.

Map of the WORLD, on Mercator's Projection, by J. and C. Walker. London, 1848. *In* 2 *sheets; size of each,* 33 *inches by* 27.

Chart of the WORLD, on Mercator's Projection, constructed by Hermann Berghaus and Fr. von Stülpnagel. Gotha: Justus Perthes. 1869. This Chart displays the Oceanic Currents with their direction and mean velocity; Oceanic Ice Drifts and Weed beds; Deep Sea Soundings; lines of Steam Packet Communication; Tracks of Sailing Vessels; great International Telegraph Lines the Lines of Principal Ocean Steam Navigation Companies. Also the following supplementary insertions:—The World on a polar projection in Northern and Southern Hemispheres with lines of Steam and Telegraph Communication round the World; a general Wind Chart; a Chart of Equal Magnetic Declination; enlargements of the Isthmus of Tehuantepec, the Nicaragua Routes, the Isthmus of Panama, and Lower Egypt with the railways and Suez Canal, &c. *On* 8 *sheets; size of each,* 20 *inches by* 16.

The ROYAL ATLAS of MODERN GEOGRAPHY exhibiting in a series of entirely original and authentic maps, the present condition of geographical discovery and research in the several Countries, Empires, and States of the World. By Alexander Keith Johnson, &c., &c., 1875. Forty-eight maps. Folio, half bound.

ATLASES OF MARINE EXPLORING EXPEDITIONS

PRESENTED TO THE HONOURABLE EAST INDIA COMPANY BY THE FRENCH GOVERNMENT.

I.

VOYAGE autour du MONDE, entrepris par ordre du Roi. Exécuté sur les Corvettes de S. M. l'Uranie et la Physicienne, pendant les années 1817–18–19 et '20; par M. Louis de Freycinet, Capitaine de Vaisseau, Commandant de l'Expédition. Navigation et Hydrographie. Paris, 1826. An Atlas containing 22 plates of Maps and Plans of the Asiatic Archipelago, the Carolines, Mariannes (Ladrones), Sandwich Islands, Tierra del Fuego, and Malouines (Falkland), &c. In 1 vol. folio, boards.

II.

VOYAGE autour du MONDE, éxécuté par ordre du Roi, sur la Corvette de Sa Majesté la Coquille, pendant les années 1822–23–24, et '25, par L. T. Duperrey, Commandant de l'Expédition Hydrographic. Paris, 1827. An Atlas containing four tables of geographical positions, and 46 plates of Maps and Plans including Martin Vaz and Trinity Islets in the Atlantic, Payta and Sechura in Peru, the Pomotou or Low Archipelago, the Society Islands, New Ireland, New Guinea, New Zealand, the Carolines, St. Helena, Ascension, also part of Brazil, Valparaiso, Galapagos Islands, &c., &c. In 1 vol. folio, half bound.

III.

VOYAGE de la CORVETTE L'ASTROLABE, éxécuté pendant les années 1826–27–28–29, sous le commandement de M. Jules Dumont D'Urville, Capitaine de Vaisseau. 1833.

1. Carte Générale de l'Océanie. 2. Iles, Océan Atlantique. 3–8. Plans et Cartes de Nouvelle Hollande. 9–21. Plans et Cartes de Nouvelle Zélande. 22. Tonga Tabou. 23. L'Archipel des Iles Verte. 24 Iles Loyalty. 25. Nouvelle Calédonie. 26. Carteret, Nouvelle Irlande. 27. Nouvelle Bretagne. 28–31. Nouvelle Guinée. 32–55. Isles Vanikoro. 36–38. Isles Carolines. 39–42. Routes de l'Astrolabe en travers des Moluques, Celebes, &c. In 1 vol. folio, half bound.

IV.

VOYAGE autour du MONDE, éxécuté pendant les années 1830–31 et '32, sur la Corvette la Favorite, commandée par M. Laplace, Capitaine de Frégate. Atlas Hydrographique, publié par ordre du Roi. 1833.

1. Carte Générale. 2. L'Archipel des Seychelles. 3, 4. Cochinchine. 5. Croquis du Mouillage du Cap Boung-quioua, Tonkin. 6. Baie de Touranne, Cochinchine. 7, 8. Archipel des Natunas, Mer de Chine. 9, 10. Archipel des Auembas, Mer de Chine. 11. Plan de la Rivière Kawa Kewa, N. Zélande. In 1 vol. folio, half bound.

V.

VOYAGE autour du MONDE sur la Frégate le Vénus commandée par M. Abel du Petit Thouars, Capitaine de Vaisseau, &c. Atlas Hydrographique. 1845.

1. Baie de Valparaiso. 2. Callao. 3. Acapulco. 4. Madelaine, Californie. 5. Monterey, Californie. 6. San Francisco, Californie. 7. Avatscha, Kamtschatka. 8. Pepeiti, Taïti. 9. Baie des Iles, N. Zélande. 10. Floriane, Galapagos. 11. Galapagos. 12. Marquises. 13. Hormigas, Callao. 14. St. Félix et St. Ambrose, Chile. 15. Juan Fernandez et Mas-a-fuera. 16. Ile des Pâques 17. Roches Alijas, Basse Californie. 18. Guadeloupe, Basse Californie. 19. Iles Hull, Maugria, et Rarotonga. In 1 vol. folio, half bound.

EUROPE.

General Maps.

The Electric and International Telegraphic Company, incorporated 1846. Founder's Court, Lothbury, London. Map of TELEGRAPHS in EUROPE, May 1859. *Scale, about* 57 *miles to* 1 *inch ; size,* 32 *inches by* 36.

Map of EUROPE, on which have been laid down the Telegraph Lines of the Turkish Empire, showing the existing number of wires and the present state of the communications between India and the European system, from a plan by Lieut.-Col. Biddulph, R.A. Dated 15th February 1860. Lithographed at the Topographical Depôt, War Office. *Size,* 27 *inches by* 36.

TELEGRAPH to INDIA COMPANY, Limited. Sketch Map reduced for Sir M. Stephenson's map of 1849–50 of railway communication between Europe and Asia, showing the lines of submarine and land cable proposed to be repaired and laid, and their relation to the already completed lines of telegraph in Europe, Asia, and Africa, which will by these means be all connected by the Telegraph to India Company (Limited). October 1861. *Size,* 26 *inches by* 40.

Map of EUROPE, compiled from the most recent surveys published for the Electric and International Telegraph Company, showing the system of telegraphs with which they are connected. London, 1863.

Index Map to the HANDBOOK for TRAVELLERS on the CONTINENT. John Murray, London. 1866. *Size,* 20 *inches by* 22.

Map of CENTRAL EUROPE, containing all the railways in use with the stations, also the principal roads, rivers, and mountain ranges. Engraved by B. R. Davies. 1869. *Scale,* 25 *miles to* 1 *inch ; size,* 35 *inches by* 47. Folded in a cover.

A Map of the NATURAL FEATURES of FRANCE and GERMANY between Paris and Berlin, illustrating the mountain systems and river basins according to Lavallée's Physical, Historical, and Military Geography. Stanford, London, 31st October 1870. *Scale,* 25 *miles to* 1 *inch ; size,* 22 *inches by* 30.

The MEDITERRANEAN.

The MEDITERRANEAN SEA, from the surveys of Capt. W. H. Smyth, R.N., K.S.F. &c., under directions from The Lords Commissioners of the Admiralty between the years 1814 and 1824. Seventy-four charts of the shores and harbours, in one vol. folio, half bound.

AUSTRIA.

VIENNA and PRESBURG. From the Austrian Government Map. *Scale, about* 2½ *English miles to* 1 *inch.* Photo-zincographed at the Ordnance Survey Office, Southampton. 1866. *Size,* 28 *inches by* 42.

FELDSBERG. From the Austrian Government Map. *Scale about* 2½ *English miles to* 1 *inch.* Photo zincographed at the Ordnance Survey Office, Southampton. 1866. *Size,* 28 *inches by* 42.

BELGIUM.

Carte des PAYS BAS CATHOLIQUES. Dressée sur un grand nombre de cartes particulières faites sur les lieux ou les limites sont exactement marquées suivant les derniers traitez. Par Guillaume De l'Isle, Geographe de l'Academie Royal des Sciences. No date. *Size,* 22 *inches by* 26.

SIBORNE'S ATLAS of the CAMPAIGN in 1815. *On* 11 *sheets, size of each,* 17 *inches by* 22.

No. I. Part of Belgium. Representing the general distribution of the Anglo. allied, Prussian, and French armies at the commencement of hostilities- *Scale,* 5½ *miles to* 1 *inch.*

„ II. Field of Quatre Bras, 3 o'clock p.m.
„ III. „ „ 9 o'clock p.m.
Scale, 3 *inches to* 1 *mile.*

No. IV. Field of Ligny, ¼ past 2 o'clock p.m.
„ V. „ „ ½ past 8 o'clock p.m.
Scale, 2½ *inches to* 1 *mile*.

„ VI. Field of Waterloo, ¼ past 11 o'clock a.m.
„ VII. „ „ ¼ before 8 o'clock p.m.
„ VIII. „ „ 5 m. past 8 o'clock p.m.
Scale, 6½ *inches to* 1 *mile*.

„ IX. Field of Warre, 4 o'clock p.m., 18th June.
„ X. „ „ 4 o'clock a.m., 19th June.
Scale, 2½ *inches to* 1 *mile*.

„ XI. Part of France. Delineating the routes of the advance of the allied armies on Paris in 1815. *Scale*, 30 *miles to* 1 *inch*.

FRANCE.

Carte topographique de la FRANCE, par les officiers de l'Etat Major. *Scale*, 1 : 80,000, *or about* 1¼ *miles to* 1 *inch ; on* 258 *sheets*. The following are in the collection :—

No. 24. Mézières.
„ 36. Metz.
„ 37. Sarreguemines.
No. 38. Wissembourg.
„ 52. Commercy.
„ 54. Saverne.

Photo-zincographed at the Ordnance Survey Office, Southampton, &c.

Carte de la FRANCE à l'échelle de 1 : 320,000 (*about* 5 *miles to* 1 *inch*). Reduced from the foregoing map. *On* 32 *sheets*. The following are in the collection :—

No. 8. Lille.
„ 9. Mézières.
„ 10. Mayence.
„ 13. Paris.
„ 10. Metz.
„ 14.
No. 15. Strasbourg.
„ 18. Bourges.
„ 19. Dijon.
„ 20. Altkirch.
„ 32. Tableau d'assemblage.

Sheets 8, 13, 14, 18, are from photo-zincographs printed at the Ordnance Survey Office, Southampton. The others are issued by the Depôt de la Guerre, Paris.

PILOTE FRANÇAISE. Redigé par M. Beautemps Beaupré, Ingénieur Hydrographe en chef de la Marine. Publié, par ordre du roi, au Depôt de la Marine, Paris.

Pte. I. Environs de Brest. 1822.
Pte. II., III. Les côtes occidentales de France. 1829–1832.
Pte. IV., V., VI. Les côtes septentrionales de France. 1838–1843.
In 6 vols. folio, half-bound.

Stanford's Large Scale Map of the SEAT of WAR, in 15 sheets with an index. 1870. *Scale*, 5 *miles to* 1 *inch nearly*. Sheets 13, 14, 15 wanting. *Size of each sheet*, 22 *inches by* 17. Mounted in four parts.

THÉÂTRE de la GUERRE, 1870. Carte publiée par L'Illustration, Paris. *Size*, 40 *inches by* 28.

Stanford's Map of FRANCE in DEPARTMENTS, with all the railways, fortresses, towns, and villages. Coloured to show—

1. The extreme limits of subjugation to the Germans.
2. Their first evacuation to the right bank of the Seine, on the confirmation of the Treaty of Peace.
3. Their second evacuation, to take place after payment of 200,000,000*l*.
4. The limits of the perpetual acquisition. 24th October 1870. *Scale*, 26 *miles to* 1 *inch ; size*, 24 *inches by* 25.

NORTH-EAST FRANCE. Coloured in departments, also with the names and boundaries of the old provinces, and showing the territory acquired by Germany. 1870. *Scale*, 21 *miles to* 1 *inch; size*, 19 *inches by* 17.

Paris.

Carte Hydrographique du DÉPARTMENT de la SEINE. Presentant le relief du sol par des courbes horizontales et par des côtes de hauteurs rapportées au niveau moyen de la mer, ainsi que le tracé et le classement de toutes les voies de communication. Dressée et gravée sous la direction de l'Ingénieur en chef des ponts et chaussées du Département, par ordre du Préfet de la Seine. 1852. *In* 2 *sheets; size of each*, 47 *inches by* 28.

STANFORD'S Plan of the FORTIFICATIONS of PARIS, showing the enceinte and detached forts, also the levels and other engineering details from a survey by the Prefect of the Department of the Seine. 1870. *Size*, 25 *inches by* 35.

STANFORD'S Map of the ENVIRONS of PARIS, showing the Fortifications. 1st Sept. 1870. *Scale*, 1 *mile to* 1 *inch; size*, 21 *inches by* 27.

PARIS and its ENVIRONS, 17th Oct. 1870. *Scale*, 1 *mile to* 1 *inch; size*, 21 *inches by* 28. Supplement to "the Homeward Mail."

Corsica.

Carte Nouvelle de l'ISLE de CORSE (Corsica), dressée d'après une grande Carte manuscrite levée sur les lieux, par ordre de M. le Marechal de Maillebois, par le Sr. Robert de Vaugondy, Geographe ord. du Roi et de S. M. Pol. Duc de Lorraine et de Bar, de l'Academie royale des Sciences et Belles Lettres de Nancy. Paris 1768. *Size*, 29 *inches by* 21.

PILOTE de l'ILE de CORSE. Levé dans les années 1820–42. Par M. Hell, Capitaine de Vaisseau, secondé par M. M. T. Deloffre, &c. Publié par ordre du Roi. 1831. Folio, half-bound.

GREAT BRITAIN AND IRELAND.

SMITH'S NEW ENGLISH ATLAS, being a complete set of County maps divided into Hundreds, on which are delineated all the direct and cross roads, part of which are from actual measurement, cities, towns, and most considerable villages, parks, seats, rivers, and navigable canals, preceded by a general map of England and Wales on which the principal roads are carefully described for the purpose of facilitating the connexion of the respective maps. The whole accompanied by an Index Villaris, containing upwards of forty thousand names of places, mentioned in the work, with reference to their situation. London, 1804. Fifty-three maps. Folio, half bound.

Charts and Plans referred to in Mr. TELFORD'S REPORT and Survey on the communication between ENGLAND and IRELAND, by the NORTH-WEST of SCOTLAND. 1809. On 16 large plates, in one vol. folio, paper cover.

An Atlas of the ENGLISH COUNTIES divided into Hundreds, &c. * * * Projected * * * under the superintendence of J. L. Murray. 1830. Folio, half bound.

To Her Most Gracious Majesty Queen Victoria, this MAP of the BRITISH ISLES, elucidating the distribution of the Population, based on the Census of 1841, compiled and drawn by Augustus Petermann, F.R.G.S., &c. is * * * dedicated. London, 1849. *Scale*, 25 *miles to* 1 *inch; size*, 34 *inches by* 23.

To Her Most Excellent Majesty Queen Victoria, this HYDROGRAPHICAL MAP of the BRITISH ISLES, exhibiting the Geographical distribution of the Inland Waters, constructed by Augustus Petermann, F.R.G.S., &c. is * * * dedicated. London, 1849. *Scale*, 25 *miles to* 1 *inch; size*, 35 *inches by* 24.

MAP of ENGLAND and WALES, showing the Railways, Canals and inland navigation, compiled from the Ordnance Surveys and other sources, for the use of the Lords of the Committee of Privy Council for Trade, &c. under the direction of Captain J. L. A. Simmons, Royal Engineers, F. Mackenzie, draftsman. Presented to the House of Commons by Command of Her Majesty. Decr. 1852. *Scale*, 6 *miles to* 1 *inch; on* 8 *sheets, bound in a paper cover; size*, 20 *inches by* 31.

Map of the BRITISH ISLES showing the principal Light-houses, with the limit and character of each light; the Coast Guard Stations and Districts; the stations where Life Boats are established; the Ports, Sub-Ports and Creeks under the Customs; and the Railways of the United Kingdom. Published by order of the Board of Trade. Corrected to 1855. *Size*, 65 *inches by* 51.

Chart showing the WRECKS and CASUALTIES on the COASTS of ENGLAND and WALES during 1867. Compiled in the Board of Trade from their Wreck Register. *Size*, 22 *inches by* 17.

The Ordnance Survey of ENGLAND and WALES. *On the scale of* 1 *inch to* 1 *mile*. Sheets 1 to 9, 12 to 22, 24 to 44, 45 N.W., S.W., S.E., 47, 48, 54 N.E., 55, 56, 58, 61, 62 N.E., N.W., 64, 65, 69, 70, 75, 83 to 86.

Geological Survey of GREAT BRITAIN. Section of the Coal Measures, Carboniferous Limestone, and a portion of the Old Red Sandstone, in the vicinity of Bristol, by D. H. Williams. *Scale*, 40 *feet to* 1 *inch; size*, 44 *inches by* 30.

Geological Survey of GREAT BRITAIN. Sections across part of the Coal Field of Glamorganshire, South Wales. *Scale*, 6 *inches to* 1 *mile; size*, 29 *inches by* 44.

Shropshire.

To His Royal Highness George, Prince of Wales, &c. &c., this Actual Survey of the COUNTY of SALOP is most humbly inscrib'd by his most dutiful and most obedient servant John Rocque. London, 1752. *Scale*, 1 *mile to* 1 *inch; in* 4 *sheets, size of each*, 30 *inches by* 22.

Wales.

This Map intended to illustrate more especially the Physical Configuration of Wales and its Border Counties, forms part of the Second Edition of the Geological Map of England and Wales, in six sheets. By G. B. Greenough. 1839. *Size*, 38 *inches by* 35. With a list of hills, with their signs and heights above the sea.

London.

Plan of the CITIES of LONDON and WESTMINSTER, the BOROUGH of SOUTHWARK and parts adjoining, showing every house. By R. Horwood. 1792–1799. *Scale, 25 inches to 1 mile. On 32 sheets, with* "Bowles, one sheet plan of London and Westminster," *as an index map.* In 1 vol. folio, size, 25 inches by 22, half-bound.

Map of LONDON from an actual survey made in the years 1824, 1825, and 1826, by C. & J. Greenwood. London, 21st August 1827. *Scale, 6 inches to 1 mile; in 6 sheets, size of each,* 26 *inches by* 31. Also another copy folded in a case.

LONDON, 1846. Drawn and engraved from authentic documents and personal observations, by R. B. Davies, &c. Under the superintendence of the Society for the Diffusion of Useful Knowledge. *Scale,* 3½ *inches to* 1 *mile ; size,* 16 *inches by* 27. Mounted to fold.

Plan showing the site of the EAST INDIA HOUSE with the adjacent localities. *Size,* 17 *inches by* 22.

The EAST INDIA HOUSE, Leadenhall Street, signed M. Digby Wyatt, architect, India Office, &c. Basement, ground floor, first floor, second floor, and third floor plans. *Scale,* 22 *feet to* 1 *inch; on 5 sheets, size of each,* 23 *inches by* 18.

Ireland.

A maritim survey of IRELAND and the WEST of GREAT BRITAIN, taken by order of the Right Honourable the Lords Commissioners of Admiralty; in two volumes, accompanied with a book of nautical descriptions and directions to each volume. By Murdock Mackenzie, senior, F.R.S. Vol. I. containing the Maritim Survey of Ireland comprehended in XXVIII charts; also views of the land taken at sea. London, 1776. Folio, half bound.

TAYLOR'S Map of the ENVIRONS of DUBLIN extending 10 to 14 miles from the castle by actual survey. *On a scale of* 2 *inches to* 1 *mile.* 1816. *Size,* 36 *inches by* 32. Folded in a case.

Map of KINGSTON and part of DALKEY. *Scale,* 6 *inches to* 1 *mile; size,* 18 *inches by* 25. MS.

GERMANY.

General Maps.

Karte von DEUTSCHLAND dem KOENIGR. der NIEDERLANDE, dem Kgr. Belgien, der Schweiz, und den angränzenden Landern, bis Paris, Lyon, Turin, Mailand, Venedig, Ofen, Konigsberg, in 25 Blattern. Entworfen und herausgegeben von Adolf Stieler. Gotha bey J. Perthes. 1862. *Scale,* 11½ *miles to* 1 *inch; size of each sheet,* 15 *inches by* 19. Mounted in a case. Also a later edition, 1866, in sheets.

CAUCHARD'S MAPS, original French edition.

1. Carte réduite de la Carte Générale d'Allemagne pour servir à rassembler les neuf Feuilles dont cette carte est composée par M. Chauchard, etc. *On* 1 *sheet; scale,* 32 *miles to* 1 *inch.*

2. Carte Générale de l'Empire d'Allemagne par M. Chauchard, Capitaine d'Infanterie et Ingénieur Militaire de Monseigneur Comte d'Artois. *On 9 sheets; scale, 8 miles to 1 inch.*
3. Carte de la partie septentrionale de l'Italie, par M. Chauchard, etc. 1791. *On 4 sheets; scale, 8 miles to 1 inch.*

Bound together in 1 vol. folio, half calf. *Size, 25 inches by* 18.

CHAUCHARD'S MAPS, English edition. A general Map of the Empire of Germany, Holland, the Netherlands, Switzerland, the Grisons, Italy, Sicily, Corsica, and Sardinia. By Captain Chauchard, &c. Dedicated by permission to His Majesty. London. Printed for John Stockdale, &c. 1800. *On 25 sheets; scale, 8 miles to 1 inch.* In 1 vol. folio, half bound. *Size, 26 inches by* 20.

Statistische KARTCHEN von DEUTSCHLAND:—

1. Bevölkerungs-Verhältnisse Politische Uebersicht; Geburten; Bevölkerungs Zunahme; Israelitische Bevölkerung; Bevölkerung dichtigkeit: Todesfälle Christliche Bevölkerung; Uneheliche Geburten.
2. Landwirthschaft-Ackerbau; Wald; Wein; Pferde; Rinder; Schafe; Schweine.

Gez. v. O. Delitsch, Bibliographisches Institut in Hildburghausen.

Holstein, &c.

Die HERZOGTHÜMER HOLSTEIN und LAUENBERG, mit dem Fürstenthume Lübeck, und den Gebieten der freien Städte Lubeck und Hamburg, hauptsächlich nach Vermessungen unter der Direction des Conferenzraths Schumacher. Kopenhagen im Koniglichen See-Korten Archive. 1848. *Size,* 21 *inches by* 28.

River Rhine.

Panorama of the RHINE and of the adjacent country from Mayence to Cologne, designed from nature by F. W. Delkeskamp. With 2 insertions: (1) Map showing the various routes from London to Cologne; (2) Map showing the various routes from Cologne to the sources of the Rhine. *Scale, abont 33 miles to 1 inoh; size, 107 inches by* 9.

Wurtemberg.

KONIGREICH WÜRTEMBERG nebst THEILEN der angrenzenden Lander nach dem Massstab $\frac{1}{200000}$ in 4 Blättern als General-karte des topographischen atlasses. Bearbeitet von dem Dirigenten der Landes-Vermessung, Oberfinanzrath v. Mittnacht. Herausgegeben von dem K. statistisch topographisschen Bureau in Stuttgart. *Size of each sheet,* 31 *inches by* 24.

GREECE.

Carte Générale de la GRÈCE MODERNE au 1,000,000e. Dressée par le Chev. Lapie, 1er Geographe du Roi, Officier Supérieur au Corps Royal des Ingénieurs Geographes. Paris, 1828. *Size,* 31 *inches by* 21.

ITALY.

Northern.

Carte Nouvelle du DUCHÉ DE MANTOUE Levé par ordre exprès à l'usage des Armées en Italie; où sont exactement marqués les Grand Chemins, les Routes des Impériaux, &c. par le Sr. Sanson, Geogra. du Roy à Amsterdam. No date. *Size,* 22 *inches by* 25.

The SEAT of WAR in SAVOY, PIEMONT, and in the MILANES, with the roads. Les Frontières de France et d'Italie ou se trouvent les états du Duc de Savoye, partie de ceux de Milan et de la République de Genes; avec les Diverses Routes ou Passages de France et d'Allemagne en Italie par les Alpes. Dressée et presentées à Monseigneur Le Dauphin, par son très humble et très obeissant serviteur et geographe N. de Fer. 1703. *Size, 20 inches by 25.*

ITALIAN IRRIGATION, being a report on the Agricultural Canals of Piedmont and Lombardy, addressed to the Honourable the Court of Directors of the East India Company. By R. Baird Smith, F.G.S., Captain in the Army and First Lieutenant of Engineers, Bengal Presidency. Printed by order. 8vo., vol. 1, Historical and Descriptive; vol. 2, Practical and Legislative. Edinburgh, 1852. Also,

Maps and Plans illustrative of the CANALS of IRRIGATION in LOMBARDY and PIEDMONT. 17 plates, folio, printed cover.

Carta Generale del REGNO LOMBARDO-VENETO, redotta della Carta Topografica, nell' Instituto Geografico Militare dell' I. R. Stato Maggiore Generale in Milano nell' anno 1838, riveduta nell' anno 1856. Copied by the Anastatic process in 1859 at the Ordnance Survey Office, Southampton. *Scale, 4½ English miles to 1 inch; on 4 sheets; size of each, 22 inches by 33.*

Plan of the neighbourhood of VERONA, MANTUA, PESCHIERA, LEGNAGO, from the Austrian Staff Map. Lithographed at the Topographical Depôt, War Office, 1866. *Scale, about 1⅓ English miles to 1 inch; size, 27 inches by 40.*

Southern Italy.

Map of SOUTH ITALY and adjacent coasts. By A. Arrowsmith. 1807, additions to 1820. *In 4 sheets; size of each, 26 inches by 34.*

Sicily.

Carte de la SICILE dans son état actuel, publiée sous les auspices de M. le Duc de Luynes, par A. H. Dufour, Geographe, et M. Amari. Avec les reductions de la Carte ancienne d'après Ptolémée et de la Carte Arabe d'après Edrisi. Paris, 1859. *Size, 25 inches by 35.*

Carte Comparée de la SICILE MODERNE avec la Sicile au 12e Siècle d'après Edrisi, et d'autres geographes Arabes. Publiée sous les auspices de M. le Duc de Luynes, par A. H. Dufour, Geographe, et M. Amari. Avec les reductions de la Carte ancienne d'après Ptolémée et de la Carte Arabe d'après Edrisi. Paris, 1859. *Size, 25 inches by 35.*

RUSSIA.

Sketch of the ACQUISITIONS of RUSSIA since the Accession of Peter I. to the Throne. London. John Murray, 1836. *Size, 20 inches by 27.*

Karte des EUROPÄISCHEN RUSSLANDS und der Angrenzenden Länder, mit genauer Bezeichnung der Strassen und angabe einiger Historisch-Physikalisch-Geographischen Hauptmomente. Gotha, 1855. *Size, 26 inches by 20.*

Map of a part of EASTERN EUROPE, intended to indicate the relative situation of the Armies of the Northern Powers, and their numerical force by means of the scale *ad hoc* placed in the explanations. Signed, General l'Etang. Topographical Depôt, War Office, August 1855. *Size*, 25 *inches by* 22.

Crimea.

To Her most Gracious Majesty Queen Victoria * * * *

Military Topographical Map of the KRIMA PENINSULA, constructed and founded on the most recent astronomical observations, verified and completed from authentic Military Surveys of the staff of His Imperial Majesty's Quartermaster-General's Department, by Major-General Mukhin in the year 1816; by express command of Governor-General and Aid-de-Camp Prince Volkonski, 2nd. during his administration of that country, (an English edition with the title in Russian and English) by Thomas Best Jervis, F.R.S., Major of the Corps of Engineers, E.I. Service. 1854. *Scale, about* $2\frac{3}{4}$ *miles to* 1 *inch.* With an insertion entitled "Geological Map of the Krima or Crimea." In 2 parts, mounted to fold, in a case. *Size*, 19 *inches by* 14; *size of each part of map*, 52 *inches by* 55.

Another copy, without a case.

The CRIMEA, by James Wyld, geographer, &c. (With a Map of the Black Sea and a Plan of Sevastopol.) *Scale*, 8 *miles to* 1 *inch; size*, 19 *inches by* 27.

SEAT of WAR in the KRIMEA. By the Hydrographic Office, Admiralty. With a Map of the Black Sea, and Views of Sevastopol, Balaklava, and Eupatoria. 1855. *Scale*, $1\frac{1}{2}$ *inches to* 1 *mile; size*, 31 *inches by* 49.

SEAT of WAR in the KRIMEA. Sheet 2. By the Hydrographic Office, Admiralty. 1855. *Scale, about* $1\frac{1}{3}$ *mile to* 1 *inch; size*, 31 *inches by* 49.
⁂ With a Chart of the Coast of the Black Sea from Odessa to Eupatoria.

Topographical and Geological Map of the ALLIED OCCUPATION in the CRIMEA, based on the reconnaissances of French staff officers, made in 1854, 1855. Lithographed at Topographical Depôt, War Office. 1857. *Scale, about* $1\frac{1}{2}$ *inches to* 1 *mile; size*, 27 *inches by* 35.

Bay of ALUSHTA, CRIMEA, from the Survey by Capt. E. Manganari of the Russian Imperial Navy, 1836. Topographical Depôt, War Department, 10th September 1855. *Scale, about* 1 *nautical mile to* 1 *inch; size*, 14 *inches by* 22.

Plan of OTCHAKOV, taken by the Russians, 1737. Copied from an old published map communicated by Mr. Derham. Lithographed at the Topographical Depôt, War Department, 8th November 1855. *Scale, about* 220 *feet to* 1 *inch; size*, 19 *inches by* 12.

Plan of OTCHAKOV, as it was when besieged by the Turks, under the Seraskir Ali Pasha and the Khan of the Crimea. Copied from an old published map communicated by Mr. Derham. Lithographed at the Topographical Depôt, War Department, 9th November 1855. *Scale, about* 490 *feet to* 1 *inch; size*, 25 *inches by* 19.

Chart of the HARBOUR of AKHTIAR or SEVASTOPOL. Showing the situations of all the Magazines, Barracks, Store-houses, and Arsenals

employed by the Russians for their Fleet in the Black Sea, the Soundings of all the Bays, &c., &c. Also a complete Survey of the Roads of Akhtiar or Bay of Inkerman, the Ctenus of Strabo, and of all the coast to the most western point of the Heracleotic Khersoneesus with the site of the ruins of the new and old Khersoneesus of Strabo, or Heraclea of Pliny, from actual observations made upon the spot for the use of the Russian Government. From a Russian chart, first made known by Dr. E. D. Clarke, 1816; and now reproduced by Major T. B. Jervis. London, May 1854. *Size,* 15 *inches by* 21.

Sketch of the MALAKHOV TOWER, by Mr. Beaux, Capt. d'Etât-Major, attached to the 1st division, 10th September 1855. Transmitted by Marshal Pelissier to the Minister of War, France, under date 14th September, and communicated to Lieut.-Col. Jervis. Topographical Depôt, War Office. *Scale, about* 140 *yards to* 1 *inch; size,* 13 *inches by* 18.

THEODOSIA or KAFA, CRIMEA, from the Survey by Capt. E. Manganari, of the Russian Imperial Navy. 1836. Topographical Depôt, War Department, 14th September 1855. *Scale, about* 3¼ *inches to* 1 *nautical mile; size,* 15 *inches by* 22.

BAY and FORT of YALTA, CRIMEA, from the Survey by Capt. E. Manganari, of the Russian Imperial Navy. 1836. Topographical Depôt, War Department, 17th September 1855. *Scale, about* ¾ *nautical mile to* 1 *inch; size,* 14 *inches by* 21.

Plan and Section of the LINES of PEREKOP, from an old published plan (1736), communicated by Mr. Derham. Lithographed at the Topographical Depôt, War Department, 29th October 1855. *Scale, about* $\frac{6}{10}$ *mile to* 1 *inch; size,* 13 *inches by* 20.

Plan of the DEFENCES of SEVASTOPOL, with the Lines of Attack of the Allied Armies previous to the Final Assault on the 8th September 1855. Prepared from the plan forwarded to the War Department by Major-General Sir Harry Jones, G.C.B., Commanding Engineer. December 1855. *Scale,* 6 *inches to* 1 *mile; size,* 20 *inches by* 27.

SEVASTOPOL, copied from the tracing of a Plan found (15th September 1855) on the body of a Russian officer of Engineers by Col. Waubert of the French Etât-Major, and forwarded to Maréchal Vaillant, Ministre de la Guerre de France, 25th September 1855. Communicated by order of the Maréchal Ministre de la Guerre to Lieut.-Col. T. B. Jervis, 29th October 1855. *Scale,* 1,400 *feet to* 1 *inch; size,* 20 *inches by* 26.

Plan of SEVASTOPOL and of the Attacks and Positions of the Allied Armies in 1854–5. Surveyed and drawn by Capt. Cooke, Lieuts. Brine, Fisher, Elphinstone, Cumberland, Anderson, James, Scratchley, Donnelly, and Baynes, of the Royal Engineers, and Capt. Baldwin, 31st Regiment, Lieut. Grinlinton, 4th Regiment, Assistant Engineers. Lithographed at the Ordnance Map Office, Southampton, in 1857. *Scale,* 6 *inches to* 1 *mile; in* 8 *sheets; size of each,* 28 *inches by* 42.

Ground Plan, Longitudinal and Transverse Sections of the DOCKS of SEVASTOPOL, constructed by the Russian Government under the direction of Colonel Upton, C.E. Taken from the working plan. Engraved at the Topographical Depôt, War Department. December 1855. *Scale,* 21 *English feet to* 1 *inch; size,* 23 *inches by* 63.

SPAIN and PORTUGAL.

A new Map of SPAIN and PORTUGAL, exhibiting the chains of mountains, with their passes, the principal and cross roads with other details requisite for the intelligence of military operations. Compiled by Jasper Nantiat. London. W. Faden. 1st January 1810. *Scale, about* 14 *miles to* 1 *inch; size,* 44 *inches by* 63.

*** With a table of distances between the principal towns in Spain.

ATLANTE TOPOGRAFICO MILITARE per servire alla storia delle campagne e degli assedi degl' Italiani in Ispagna dal 1808 al 1813, ricavato da antichi documenti e da nuove ricognizioni eseguite nel corso della guera, da Camillo Vacani, Maggiore nell' Imperiale Regio Corpo del Genio, &c.

Tavola 1. Carta Generale delle Spagne; 2. Catalogna; 3. Barcelona; 4. Tarragona; 5. Sagunto; 6. Valenza; 7. Rosas; 8. Zaragoza; 9. Gerona; 10. Hostalrich; 11. S. Felice; 12. Tortosa; 13. Tarragona; 14. Figueras; 15. Bilbao; 16. Lerida, Burgos, Peniscola e Castro. In 1 vol. folio, bound. *Size,* 28 *inches by* 20.

Maps of the PENINSULAR WAR, lithographed from the original drawings in the Quartermaster-General's Office, at the topographical depôt of the War Office, Colonel Sir H. James, R.E., F.R.S. &c. Director, 1860–68.

CONTENTS:—

1. Battle of Talavera dela Reyna, fought on the 27th 28th July 1809.
2. Battle of Busaco, 26th, 27th Sept. 1810.
3. & 4. Movements of the two armies after the repulse of Marshal Massena's attack upon the position of Busaco. Sept. Oct. 1810.

Massena's Retreat, in 10 plates.

1. Arrival of the advanced guard of the allies in presence of the French army near Pombal, 10th March 1811.
2. Disposition of the allies for the attack of the enemy's position beyond Pombal, 12th March 1811.
3. Affair of Redinha, 12th March 1811.
4. Advance of the allies upon Codeixa, 13th March 1811.
5. Affair at Cazal Novo, 14th March 1811.
6. Affair at Foz d'Arruce, 15th March 1811.
7. Passage of the Ceira on the 17th March 1811.
8. Movements to dislodge the French from their positions on the right bank of the Aloa on the 18th March 1811.
9.
10. Affair of Sabugal, 3rd April 1811.

Battle of Fuentes D'Onoro, in 3 plates.

1. General position on the 3rd May 1811.
2. General position on the 5th May 1811.
3. General position on the 5th to the 8th May 1811.

BATTLE of ALBUERA, May 16th 1811. Published with permission of the Quartermaster-General. By W. Faden, geographer to His Majesty, &c. 12th August 1811. *Scale,* 400 *yards to* 1 *inch; size,* 19 *inches by* 27.

*** With a tabular reference to the plan of the battle.

Map of SPAIN and PORTUGAL with the Frontiers of France describing the Post Roads, Relays, &c. London, C. Smith and Son, 1832. *Scale,* 28 *miles to* 1 *inch; size,* 27 *inches by* 32.

SPAIN and PORTUGAL. By J. Arrowsmith, 1842. *Scale,* 30 *miles to* 1 *inch; size,* 22 *inches by* 27.

SWITZERLAND.

Map of the ALPINE COUNTRY in the SOUTH of EUROPE. By A. Arrowsmith. 1804. *Scale,* 8½ *miles to* 1 *inch; on* 4 *sheets; size of each,* 27 *inches by* 34.

Atlas zu den neuen Untersuchungen ueber die physicalische Geographie und die Geologie der ALPEN. Von Adolph Schlagintweit und Hermann Schlagintweit. Mit XXII Tafeln und VIII Erläuterungsblättern der landschaftlichen Ansichten. Leipzig, 1854. Only the title, contents, and plates following:—

III. & IV. Geologische Karte und Profile des Monte Rosa.
VI. Ansicht des Monte Rosa, und des Gornergletschers.
VII. Ansicht des Alpenzuges vom Mont Cervin bis zum Mittelhorn.
VIII. Das untere Ende des Gornergletschers.

Topographische Karte der SCHWEIZ. Sheet 19. Bellinzona, 1858. *Size,* 26 *inches by* 35.

TURKEY in EUROPE.

General Maps.

Carte générale de la TURQUIE D'EUROPE et de la GRÈCE. Dressée par le Chev. Lapie, &c. Paris, 1827. *Scale,* 42 *miles to* 1 *inch; size,* 26 *inches by* 21.

An anastatic facsimile of the AUSTRIAN STAFF MAP of TURKEY, with the following English title:— * * * Map of the Present Seat of War, originally founded and constructed, on the basis of remarkable Russian materials, by the staff of the Austrian Quartermaster-General, at the command of Field Marshall Prince Schwarzenberg, has been exactly reproduced under the direction of Major Thomas Best Jervis, F.R.S., late of the corps of Engineers, East India Service, specially for the use of the staff and officers and attachés of the army proceeding to the East; and as far as may be possible, to such of the Public as may desire it thereafter. London, 12th April 1854. *Scale,* 9 *miles to* 1 *inch; in* 20 *sheets, marked* 2 *to* 21 *consecutively, with a letterpress title sheet. Size of each,* 18 *inches by* 26.

The Bosphorus.

Karte des nördlichen befestigten THEILS des BOSPHORUS von den Hissaren bis zu den Leuchtthürmen am Schwarzen Meer, im Austrage Sr. Hoheit Sultan Mahmud II. mit dem Messtisch in $\frac{1}{25000}$ aufgenommen 1836–37. durch Freiherrn von Moltke, Hauptmann im Konigl. preussischen Generalstabe, Berlin, 1849. *In* 4 *sheets; size of each,* 22 *inches by* 17.

Constantinople.

Karte von CONSTANTINOPLE, den VORSLAEDTEN, der UMGEGEND, und dem BOSPHORUS, im Austrage Sr. Hoheit Sultan Mahmud's II. mit dem Messtisch in $\frac{1}{25000}$ aufgenommen in den Jahren 1836–37, durch Freiherrn von Moltke, Hauptmann in Konigl. preussischen Generalstabe. Berlin, 1842. *Size,* 31 *inches by* 35.

Montenegro.

Map of MONTENEGRO, from a copy by Lieut. Sittwell, R.E., attached to Major Cox, R.E., British Commissioner for the demarcation of the boundaries of Montenegro in 1859–60. The original compiled from the surveys and sketches of the British and Austrian members of the commission. Lithographed at the Topographical Depôt, War Office, 1860. *Scale, about* $3\frac{1}{6}$ *English miles to* 1 *inch; size,* 27 *inches by* 40.

Varna.

Sketch of the ENCAMPMENT of the 1st and 2nd Division of BRITISH TROOPS under the command of General Lord Raglan, G.C.B., also of the French, Turkish, and Egyptian troops at Varna, on the anniversary of Her Majesty's accession, the 20th June 1854. By Col. Fredk. Wm. Hamilton, Grenadier Guards. 21st June 1854. *Scale,* 600 *paces to* 1 *inch; size,* 19 *inches by* 13.

AFRICA.

General Map.

Sketch of the CAMP on the River Prah. *Scale,* 12 *inches to* 1 *mile; size,* 10 *inches by* 13.

A new Map of AFRICA exhibiting its Natural and Political Divisions, drawn from the most recent materials. 1832. *Size,* 36 *inches by* 34.

MOROCCO AND ALGIERS.

NORTH COAST of AFRICA, including Morocco and Algiers, with the Coasts of France and Spain. By James Wyld. 1844. *Scale,* 90 *miles to* 1 *inch; size,* 18 *inches by* 26. In a case.

SAHARA.

Originalkarte von Dr. C. Nachtigal's REISE nach TIBESTI oder TU, Juni-September 1869. Nach einer Handzeichnung von Dr. G. Nachtigal. *Size,* 14 *inches by* 11.

ASHANTEE AND GOLD COAST.

Map of ASHANTEE and GOLD COAST. Topographical Depôt of the War Office, Major C. W. Wilson, R.E., Director. 1873. *Scale,* 5 *miles to* 1 *inch; on* 2 *sheets; size,* 38 *inches by* 50. With notes, 16 pp., fcap.

Also a revised edition of the Western sheet.

Also a smaller edition on the scale of 10 miles to 1 inch. *Size,* 27 *inches by* 40.

Routes of Detachments to ESSAMAN, DUNQUAH, &c., compiled by Captain Huyshe, from sketches by Captains Huyshe and Buller, &c. *Scale,* 2 *inches to* 1 *mile.* Lithographed at the Topographical Depôt of the War Office, 1873. *Size,* 38 *inches by* 50.

Map of the former Dutch Possessions on the GOLD COAST, comprising the country between Axim and Elmina. By Lieut. C. A. Jeekel, R. Dutch Navy. *Scale, 4 miles to 1 inch; size, 13 inches by 20.*

EGYPT.

A Map of LOWER EGYPT, from various Surveys communicated by Major Bryce and other officers. Drawn by A. Arrowsmith, Hydrographer to H.R.H. the Prince of Wales. 1807. *Scale, 3 miles to 1 inch; on 4 sheets; size of each, 25 inches by 32.* Folded in a case.

Die NILLÄNDER oder AEGYPTEN, NUBIEN, und HABESCH, nach C. F. Weilands Entwurf, volleg umgearbeitet v. H. Keipert. 1848. *Scale, about 80 English miles to 1 inch; size, 28 inches by 24.*

Plan of the OPERATIONS of the BRITISH and OTTOMAN FORCES in EGYPT, from the 8th March to 2nd September 1801, when the French were finally expelled from that country. Composed from materials furnished by the Quartermaster General's Department. London, 1802. *Scale, 4 miles to 1 inch.*

*** With an enlargement of the Peninsula of Alexandria, on the scale of 1 mile to 1 inch. *Size, 36 inches by 17.*

Wyld's ISTHMUS of SUEZ and LOWER EGYPT. 1843. *Scale, 12 miles to 1 inch; size, 12 inches by 17.*

Percement de l'ISTHME de SUEZ. Atlas des cartes, plans, sondages, profils et forages à l'appui du projet de la commission internationale. Troisième série des documents publiés par M. Ferdinand de Lesseps. Paris, 1856. In 1 vol., 4to. bound.

Nubia and Abyssinia.

UPPER NUBIA and ABYSSINIA. By Keith Johnston, F.R.S.E. *Scale, 45 miles to 1 inch; size, 20 inches by 25.*

VOYAGE aux DEUX NILS (Nubie, Kordofan, Soudan Oriental) éxécuté de 1860 à 1864, par ordre de l'Empéreur. Par Guillaume Lejean. Atlas. In 1 vol., folio, half bound.

LISTE DES CARTES, ETC.*

Explication des Cartes:—

1. Itinéraires, Feuille IV. De Dj. Rafeta (Atmour) à Khartoum. Plan de Berber. Carte du Nam-aith (Bahr el Gazal).
2. Itinéraires, Feuille I. De Khartoum à la Dender par Sennar et Karkodj. Rade de Saouakin. Plan de la ville de Saouakin. Plan de Sennar.
3. Itinéraires, Feuille III. De Khartoum à la frontière du Darfour (Kordofan). Carte de Confluent des Deux Nils.
4. Itinéraires, Feuille V. De Saouakin au Taka. Plan de la ville de Kassala.
5. Itinéraires, Feuille VI. Route du Barka.
6. Cours du Nil Blanc (Bahr el Abiad, Kir) du Saubat à Gondokoro. Vues. Plan de Khartoum.
7. Esquisse d'une Carte du Bassin du Fleuve Blanc entre les 7e et 11e degrés de latitude. Par G. Lejean. 1865. Carte de la Haute Nubie (partie orientale); divisions agronomiques.

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* NOTE.—The Maps are arranged in the order adopted in the "Explication des Cartes," which is not consistent either with the Titles of the Maps or with the marginal numbers of the Plates.

8. Carte politique et itinéraire du Ouadai, avec le Baghirmi oriental, dressée d'après les informations des indigènes. Par G. Lejean.
9. Carte ethnographique de la region N.E. de l'Afrique (Nil-land).
10. Carte du Samhar et du Sennaheit (Haute Nubie). Rade de Massaoua. Plan de la ville de Massaoua.
11. Itinéraires, Feuille II. De la Dender à Tchelga. Abyssinie.
12. Carte générale de la Haute Nubie (Partie Occidentale); divisions agronomiques.
13. Carte générale de la Haute Nubie (Partie Occidentale) d'après les itinéraires et les informations de l'Auteur. 1860–61.
14. Carte générale de la Haute Nubie (Partie Orientale) d'après les itinéraires et les informations de l'Auteur. 1860–64. Cours du Nil Blanc entre le Tefafan et l'emb. du Saubat. Addition à la Feuille V.
15. Esquisse du Dar-Four. Carte Ire. Divisions politiques.
16. Esquisse du Dar-Four. Carte IIe. Divisions agronomiques.

ABYSSINIA.

ABYSSINIA. Line of March of the Army under Lieut.-General Lord Napier of Magdala. 1868. Surveyed by Lieut. Carter, R.E., Surveyor G.T. Survey of India, assisted by Lieuts. A. E. Dummler, R.E., and T. H. Holditch, R.E., Assistant Surveyors. Drawn by Lieut. Holditch, R.E. Photo-zincographed at the Ordnance Survey Office, Southampton, &c. *Scale*, 4 *miles to* 1 *inch; on* 5 *sheets; size of each*, 28 *inches by* 21.

Diagram of the TRIANGULATION and LINE of TRAVERSE from ANNESLEY BAY to MAGDALA. Surveyed by Lieut. T. T. Carter, R.E., assisted by Lieuts. A. E. Dummler and T. H. Holditch, R.E. *Scale*, 4 *miles to* 1 *inch; on* 5 *sheets; size of each*, 28 *inches by* 21.

Map of the ROUTE from TAJOORA to ANKOBER travelled by the Mission under Capt. W. C. Harris to the Court of Shoa. 1843. Surveyed by Assistant-Surgeon R. Kirk and Lieut. Barker, I.N. Copied in the Chief Engineer's Office, Bombay, 1841. *Scale*, 10 *miles to* 1 *inch; size*, 21 *inches by* 26. MS.

Map of AFRICA from the Equator to 13° N. lat., and from 31° to 51° E. longitude. By James Macqueen, Esq. London, 1844. *Size*, 8 *inches by* 11.

EAST COAST OF AFRICA.

Map of a Portion of the Course of the RIVERS HAINES and JUB, partly from personal observation, but principally from minute and particular inquiries of intelligent natives of the country; repeated on visiting the various towns along the coast. The sea line afforded an excellent criterion to judge of the actual position of places not visited. Signed W. Christopher, Lieut. Commanding H.C. brig of war "Tigris." Aden, Back Bay, 29th May 1843. *No scale; size*, 30 *inches by* 37. MS.

⁎ *See also* Admiralty Charts.

EQUATORIAL LAKES OF AFRICA.

Skizze einer Karte eines THEILS von OST- und CENTRAL-AFRIKA, mit angabe der wahrscheinlichen Lage und Ausdehnung des See's von Uniamesi, nebst Bezeichnung der Greuzen und Wohnsitze der Verschiedenen Völker sowie der Caravanen-Strassen nach dem Innern. Gestutzt auf die Angaben zahlreicher Eingebornen und Muhamedanischer Reisenden und zusammengetragen von Jakob Erhardt und Johann Rebmann, Missionaire der Church Missionary Society of London in Ost-Afrika. Nach J. Erhardt's Original und der Eng. Küsten Aufnahme gezieclmet von A. Petermann. 1856. *Scale, about* 70 *English miles to* 1 *inch; size*, 14 *inches by* 17.

A Map of the ALBERT N'YANZA, and of the ROUTES leading to its discovery in 1864. By Sir Samuel White Baker. *Scale, about* 28 *miles to* 1 *inch; size,* 20 *inches by* 15. Stanford, London.

NATAL.

Map of the COLONY of NATAL, surveyed by Capt. Grantham, R.E., F.R.G.S., Assoc. Inst. C.E., &c., in 1861. With additions from the Surveyor-General's Office, Natal. Lithographed at the Topographical Department, War Office. 1863. *Scale,* 4 *miles to* 1 *inch; in* 4 *sheets; size of each,* 40 *inches by* 27.

CAPE COLONY.

GRAHAM'S TOWN and the Outposts, with their bearings and distances. By James Wyld. 1851. *Size,* 16 *inches by* 13. Folded in a case.

ST. HELENA.

Survey of the ISLAND of ST. HELENA. Signed, James Cocks, Lieut.-Colonel and Chief Engineer. 30th Nov. 1804. *Scale,* 1,200 *yards to inch; size,* 23 *inches by* 33. MS.

CHARTS, &c. (Views of the Coast and Botanical Figures) for Captain Flinders's Voyage to Terra Australis. Presented by the Author, 25th July 1814. Large folio, boards.

Plan of the ISLAND of ST. HELENA, inscribed to the Honourable the Chairman, Deputy Chairman, and Directors for the affairs of the United East India Company, by their obliged and faithful servant, John Barnes, Captain and Military Surveyor. November 1811. *Scale,* 400 *yards to* 1 *inch; size,* 36 *inches by* 60. MS.

* * * Chart, showing the ELEVATION of the COAST of the ISLAND of ST. HELENA, the various landings and accessible points, * * * by * * * R. F. Seale. 6th Dec. 1823. *Scale,* 12 *inches to* 1 *mile; size,* 28 *inches by* 144. MS.

AUSTRALASIA.

General Maps.

General Map of AUSTRALIA showing the Routes of Explorers. Board of Land and Works, Melbourne, 1863. *Scale,* 105 *miles to* 1 *inch; size,* 25 *inches by* 35.*

AUSTRALIAN VIEWS. North East Coast between Sandy Cape and Endeavour Straits for the Navigation of the Inner Passage to Torres Straits 13 *plates oblong* 4to., *stiff cover.*

COLONY OF VICTORIA.

VICTORIA.—NOTE.—This Map is published in order to meet the present demand for information respecting Runs. The boundaries are laid down approximately, being generally the projection on paper of the Gazetted descriptions. A correct map will be issued as soon as the Runs are surveyed. 1863. Department of Lands and Survey, Melbourne, January 1865. *Scale,* 8 *miles to* 1 *inch; on* 8 *sheets; size of each,* 30 *inches by* 22.*

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* NOTE.—Presented to the India Office by the Government of Victoria.

Map of VICTORIA. With reference to alienated lands, leased, sold, and licensed; and lands withheld from leasing and licensing, &c. 1865. *Scale, 16 miles to 1 inch; size, 25 inches by 35.**

Map of VICTORIA. 1865. *Scale, 16 miles to 1 inch; size, 25 inches by 35.**

County Maps of VICTORIA, by the Department of Lands and Survey, Melbourne.* *Scale, 2 miles to 1 inch;* as follows:—

Anglesey, 1866.
Bendigo, 1869.
Borung, Karakara, and Lowan, parts of, 1871.
Bogong, Moira, and Delatite, parts of, 1871.
Bourke, 1866.
Dalhousie, 1869.
Dundas, 1867.
Evelyn, 1868.
Follett, 1866.
Gladstone, and part of Karakara, 1867.
Grenville, 1868.
Grant, 1868.
Hampden, 1867.
Heytesbury, 1866.
Longwood, part of, 1867.
Mornington, 1869.
Normanby, 1867.
North Gipps Land, 1867.
Polwarth, no date.
Ripon, 1867.
Rodney, 1867.
Talbot, 1866.
Villiers, 1867.
West Wimmera, 1868.

NEW ZEALAND.

Geographical Sketch Map of NEW ZEALAND, constructed from official surveys and the explorations of Dr. E. von Hochsteller and Dr. Julius Haast and others. By James Hector, M.D., F.R.S., Director of Geological Surveys to the Government of New Zealand. Wellington, 1873. *Scale, 33 miles to 1 inch; size, 35 inches by 24.*

Map of the neighbourhood of the WAIKATO RIVER, NEW ZEALAND. Compiled and lithographed at the Topographical Department, War Office. 1864. *Scale, 2 miles to 1 inch; size, 37 inches by 32.*

NORTH AMERICA.

The AMERICAN ATLAS; or a geographical description of the whole continent of America, &c. Engraved on forty-nine copper plates by the late Mr. Thomas Jefferys, Geographer to the King, and others. London, 1778. Folio, half-bound.

Atlas to THOMSON'S ALCEDO, or DICTIONARY of AMERICA and WEST INDIES, by Aaron Arrowsmith. Containing North America in 3 sheets; the United States in 4 sheets; Mexico in 4 sheets; the West Indies in 2 sheets; and South America in 6 sheets. London, 1811, with additions to 1814. Folio, half-bound.

The Atlas to VANCOUVER'S VOYAGE OF DISCOVERY to the NORTH PACIFIC OCEAN, and ROUND the WORLD, in which the Coast of North-West America has been carefully examined and accurately surveyed, principally with a view to ascertain the existence of any navigable communication between the North Pacific and North Atlantic oceans. 1790–95. Charts and views on 16 plates, without title, &c., in 1 vol., folio, boards.

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* NOTE.—Presented to the India Office by the Government of Victoria.

CANADA.

A new Map of the PROVINCE of LOWER CANADA, describing all the seigneuries, townships, grants of land, &c. compiled from plans deposited in the Patent Office, Quebec. By Samuel Holland, Esq., Surveyor-General, to which is added a plan of the Rivers Scoudia and Magaguadavic, surveyed in 1796, '97, and '98, by order of the Commissioners appointed to ascertain the true River St. Croix intended by the Treaty of Peace in 1783 between his Britannic Majesty and the United States of America. London, 1838. *Scale,* 12 *miles to* 1 *inch; size,* 24 *inches by* 36. In a case.

Atlas of BRITISH NORTH AMERICA, containing Bouchette's Map of the District of Montreal on 3 sheets; Bouchette's Map of Lower and Upper Canada, Nova Scotia, New Brunswick, Newfoundland, and Prince Edward Island, with a large section of the United States, on 3 sheets; Bouchette's Map of the Districts of Quebec, Three Rivers, Saral Francis, and Gaspé, on 4 sheets. 1831. Folio, half-bound.

A Map of CANADA, compiled from the latest authorities by Edward Staveley, Civ. Eng., Montreal, 1845. *Scale,* 28 *miles to* 1 *inch; size,* 26 *inches by* 40.

*** With five marginal insertions on a large scale of Toronto, Kingston, Falls of Niagara, Quebec, and Island of Montreal.

Map of the BASIN of the ST. LAWRENCE, showing also the natural and artificial routes between the Atlantic ocean and the interior of North America. By Thomas C. Keefer for I. D. Andrews' report, &c. 1853. *Scale,* 30 *miles to* 1 *inch; size,* 36 *inches by* 77. Folded.

Map of the EASTERN PORTION of BRITISH NORTH AMERICA, including the Gulf of St. Lawrence, and part of the New England States. Compiled from the latest surveys and charts by Henry F. Perley for the report of Israel D. Andrews. 1853. *Scale,* 24 *miles to* 1 *inch; size,* 27 *inches by* 48. Folded.

UNITED STATES.

A collection of Maps and Plans chiefly UNITED STATES of NORTH AMERICA. Folio, half-bound.

CONTENTS :—

Rhode-Island Harbour and Narraganset Bay, published by Des Barres, 1776.
The British Empire in America with the French and Spanish settlements by Henry Popple. No date.
The Sea Coast from New York to the I. Cape Breton with tables of courses and distances. By Captain Cyprian Southack. *On* 7 *sheets.* No date.
The River Missisippi from the Balise up to Fort Chartres. No date.
Western Parts of Virginia, Pennsylvania, Maryland, and North Carolina, the Ohio Rivers, the Illinois River, and parts of the Missisippi, Lake Erie, and parts of Lakes Michigan, Huron and Ontario. By Thos. Hutchins, Captain 60th Foot. 1778.
River Ibbeville of Missisippi Delta, engraved by T. Kitchen. No date.
Fo t Rosalia, Missisippi River, engraved by T. Kitchen. No date.
Plan of several villages and Fort Chartres in the Illinois Country on the Missisippi River. By Thos. Hutchins. No date.
Plan of the Rapids in the River Ohio. By Thos. Hutchins. No date.
Plan of Caskaskies, engraved by T. Kitchen. No date.
Plan of Mobile, engraved by T. Kitchen. No date.
Plan of New Orleans, engraved by T. Kitchen. No date.

Plan of the Military Operations against Charlestown under Sir H. Clinton and Admiral Arbuthnot. London, 1780.

Island of St. Lucia in the West Indies. By Capt. Speer, 1779.

St. Lucia by Thomas Jefferys. 1775.

Andrews' New Map of North America, with the West Indies, &c. 1781–3. *On 3 sheets.*

UNITED STATES of AMERICA, by H. S. Tanner. 1836. *Scale, 32 miles to 1 inch, with plans of towns and statistics; size, 49 inches by 63.*

RAILROADS in the UNITED STATES in operation and progress to accompany a report from the Treasury Department by Israel D. Andrews. Drawn and engraved under the direction of the editor of the American Railroad Journal. 1853. *Scale, 35 miles to 1 inch; size, 41 inches by 43.* Folded.

The UNITED STATES of NORTH AMERICA, as divided during the War of Secession. 1861. No title.

*** With a Plan of Charlestown, and tables of the Free and Slave Population of the States in 1850 and 1860. *Size, 15 inches by 18.*

Map of the UNITED STATES, showing the Railroad and Canal lines used in the Determination of Elevations. By James T. Gardner, Geographer. *Size, 18 inches by 24.*

Temperature Chart of the UNITED STATES, showing the Distribution by Isothermal Lines of the MEAN TEMPERATURE for the Year. Constructed under the direction of Prof. Joseph Henry, Secretary Smithsonian Institution, by Charles A. Schott, Assist. U.S. Coast Survey, in October, 1872. From the Records of the Smithsonian Institution for the Ninth Census. *Size, 12 inches by 18.*

Preliminary Map of CENTRAL COLORADO, showing the region surveyed in 1873. With a Sketch of the Primary and Secondary Triangulation. *On 2 sheets; size of each, 24 inches by 19.*

NEIGHBOURHOOD of FORT MONROE and NORFOLK HARBOUR, VIRGINIA. From the U.S. Coast Survey. Lithographed at the Topographical Department, War Office. *Scale, 3⅛ miles to 1 inch; size, 11 inches by 15.*

Plan of PENSACOLA BAY and FORT PICKENS, FLORIDA. From the U.S. Coast Survey. Lithographed at the Topographical Department, War Office. *Scale, 1 mile to 1 inch; size, 15 inches by 20.*

A Series of CHARTS, with Sailing Directions, embracing Surveys of the Fallarones, &c. ,&c., on the state of California. By C. Ringgold, Commander U.S. Navy. 1852. Imp. 8vo. cloth.

Yellowstone National Park, Rocky Mountains.

Map of the Sources of the SNAKE RIVER, with its Tributaries, together with portions of the head-waters of the Madison and Yellowstone from surveys and observations of the Snake River Expedition. By Gustavus Bechler, Chief Topographer; James Stevenson, Director. *Scale, 5 miles to 1 inch; size, 28 inches by 29.*

MONTANA and WYOMING TERRITORIES, embracing most of the country drained by the Madison, Gallatin and Upper Yellowstone Rivers. * * * Drawn by Henry Gannett from notes and sketches by Adolf Burck, Chief Topographer of the Yellowstone Division. *Scale, 5 miles to 1 inch; size, 31 inches by 23.*

Parts of IDAHO, MONTANA, and WYOMING TERRITORIES from Surveys made under the direction of F. V. Heiden, U. S. Geologist, &c. 1871. *Scale,* 10 *miles to* 1 *inch ; size,* 24 *inches by* 27.

YELLOWSTONE NATIONAL PARK, from surveys made under the direction of F. V. Hayden, U. S. Geologist. 1871. *Scale,* 10 *miles to* 1 *inch ; size,* 14 *inches by* 12.

UPPER GEYSER BASIN, FIRE-HOLE RIVER, WYOMING TERRITORY. Surveyed by the party in charge of F. V. Hayden, U. S. Geologist. 1871. *Scale,* 500 *feet to* 1 *inch ; size,* 21 *inches by* 26.

LOWER GEYSER BASIN, FIRE-HOLE RIVER, WYOMING TERRITORY. Surveyed by the party in charge of F. V. Hayden, U. S. Geologist. 1871. *Scale,* 500 *yards to* 1 *inch ; size,* 26 *inches by* 22.

GULF OF MEXICO.

Map of the STRAITS of FLORIDA and GULF of MEXICO. To accompany a report from the Treasury Department by Israel D. Andrews in obedience to the resolution of the Senate of 8th March 1851. From the Archives of the U.S. Coast Survey. A. D. Bache, Superintendent. *Scale, about* 46 *English miles to* 1 *inch ; size,* 28 *inches by* 36.

CENTRAL AMERICA.

Geographical Map of the REPUBLIC of NICARAGUA, with three Plans and Views by Fermin Ferrer, Governor of the Western Department. 1855. *Scale, about* 16 *miles to* 1 *inch ; size,* 32 *inches by* 24.

WEST INDIES.

The WEST INDIAN ATLAS ; or a compendious description of the West Indies ; illustrated with forty correct charts and maps, taken from actual surveys. Together with an Historical Account of the several countries and islands which compose that part of the World. By the late Thomas Jefferys, Geographer to the King. London, 1775. Folio, half-bound.

Atlas de la MARTINIQUE. Publiée par ordre du Roi, au Dépôt Général de la Marine, à Paris. 1827–31. 1. Carte Générale. 2, 3, 4. Carte Particulière des côtes, 5. Plan de la Baie de Fort Royal. 6. Plan de la Rade de St. Pierre. 7. Plan de la Havre de la Trinité. 8. Plan des Havres du Robert et du François. 9. Plan du Cul de Sac Marin. In 1 vol., folio, half-bound.

SOUTH AMERICA.

General Map.

General Charte von SÜD-AMERICA. Carte générale de l'Amérique Méridionale en deux grandes feuilles (lower sheet missing). D'après les observations et les cartes spéciales, rapportés du voyage dans l'intérieur du Brésil pendant les années 1817–1820. Dediée à Sa Majesté le Roi de Bavière, par les Docteurs de Spix et de Martius, Chevaliers de l'ordre civil de la Couronne de Bavière, Membres de l'Academie Royal de Munich, des Curieux de la Nature, Conservateurs du Musée Zoologique et Zootomique et du Jardin des Plantes, &c. &c. Munich, 1825. *Size of one sheet,* 37 *inches by* 47.

BRAZIL.

LE PILOTE du BRÉSIL ou description des Côtes de l'Amérique Méridionale situées entre l'île Santa Catarina et celle de Maranhaõ, cartes et plans de ces côtes, et instructions pour naviguer dans les mers du Brésil ; composé sur les documents recueillis dans le campagne hydrographique entreprise par ordre du Roi, et éxécutée en 1819 et 1820, sur la corvette La Bayadère et le Brig le Favori, par M. le Baron Roussin, Contre Amiral, Commandant de l'Expédition. Paris, 1826. Folio, boards.

PARAGUAY.

Carte de la PARTIE MÉRIDIONALE de la RÉPUBLIQUE du PARAGUAY. Dressée par M. E. Mouchez, Lieut. de Vaisseau, Comm. l'avis à vapeur le Bisson, d'après les documents recueillis sur les lieux et les observations faites pendants les trois voyage du Bisson en 1857, '58, '59. Depôt des Cartes et Plans de la Marine. Paris, 1816. *In 2 sheets; size of each,* 29 *inches by* 41.

ARGENTINE REPUBLIC.

Map of the RIVERS PARANA and PARAGUAY, drawn from a cursory survey during an expedition from Buenos Ayres to Assumption, under the auspices of Her Majesty's Government, on board the Argentine brig "Palm," 166 tons burthen, drawing 9 feet water, in the year 1841. *In* 4 *plates, stitched in a cover; size,* 19 *inches by* 14.

PERU.

Sketch Map showing the JOURNEY to the CINCHONA FORESTS of CARAVAYA, PERU. 1860. By Clements R. Markham. *Size,* 14 *inches by* 18.

Rough Sketch Map of the REGION where the CINCHONÆ were collected in the FORESTS of CARAVAYA, PERU, in 1860. By Clements R. Markham, *Size,* 14 *inches by* 18.

Mapa para la HISTORIA de la GEOGRAFIA del PERU hasta el año 1553 (Epoca de a publicacion de la Cronica del Peru de Cieza de Leon). Por A. Raimondi, 1875. Printed on cardboard. *Size,* 23 *inches by* 34.



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I. SERIAL CHARTS BY THE HON. EAST INDIA COMPANY'S HYDROGRAPHERS AND OTHERS.

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The ENGLISH PILOT, describing the sea-coasts, capes, headlands, streights, soundings, sands, shoals, rocks, and dangers. The bays, roads, harbours, and ports in the Oriental Navigation, &c., &c. London. Printed for W. and J. Mount; T. and T. Page, on Tower Hill, 1755. Folio, bound.

*** Among the 42 charts and letter-press, are charts of Bombay Harbour, the River Ganges (Hoogly), and Chusan, in China, by Samuel Thornton,* Hydrographer to the Honble. East India Company. Many of the other charts are stated to be corrected and compared with the French charts published in 1745, and they appear to have belonged originally to an earlier collection.

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* Samuel Thornton appears to have been preceded by John Thornton. Of the Charts by each there are other relics in Dalrymple's collection. *See* pages 550, 552, 553, 555, 558, 570, 571.

2. *Captain John Ritchie's Surveys*, 1768–1772.

A set of General and Particular Maps of the BAY OF BENGAL, drawn from actual surveys taken in the years 1768, 69, 70, and 71, by John Ritchie (Hydrographical) Surveyor (to the United India Company), and examined and compiled by James Rennell, Surveyor General, 1772.

1. Chart of the Bay of Bengal.
2. Part of the Coromandel coast.
3. Coasts of Golconda and Orixa.
4. Coasts of Bengal and Orixa, from the False Point to the mouth of the Murjattah River.
5. Coasts of Bengal, Murjattah River to Aracan.
6. Mouth of the Hoogly, surveyed in 1770.
7. Coast of Bengal, Cuttack to Aracan.
8. Coasts of Aracan and Ava.
9. Andaman Islands.
10. Nicobar Islands and Nancovery Harbour, enlarged.

In a large folio paper cover, size 22 inches by 26. MSS.

*** Another copy forms the second series of Major Rennell's Manuscript Maps and Charts. *See* page 163.

Remarks upon the COAST and BAY OF BENGAL, the outlets of the Ganges, and interjacent rivers, according to surveys by John Ritchie, Hydrographical Surveyor in the United India Company.

1. Point Palmyras, Balasore Road. The Braces. Entrance to Hugly, with remarks on pilotage. Rivers from Hugly to Roymangull and their outlets.
2. Rivers from Roymongull to the Megna. Chittagong Coast. Tempests to which the head of the bay is subject. Remarks on Chittagong. Aracan and Ava coasts.
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In 1 vol., 4to., 152 pages, bound. MS.

*** *See also* Single Charts by Ritchie, pages 606, 607.

3. *M. D'Aprés' French Charts*, 1775–81.

Le NEPTUNE ORIENTAL dédié au Roi, par M. D'Après de Mannevillette, Capitaine des Vaisseaux de la Compagnie des Indes, &c. Paris, 1775. Fifty-nine charts and 197 pages of nautical instructions. Folio, bound. Another copy half bound.

Supplément au NEPTUNE ORIENTAL, par feu M. D'Après de Mannevillette. Paris, 1781. Eighteen charts and 12 pages of letter press, including nautical instructions and a life of the author. Folio, boards.

In his preface, M. d'Après narrates the history of European discovery and cartography in the Indian seas. He asserts that he was the first navigator to make use of Halley's method for the determination of longitudes by lunar distances. He gives credit to the English for originating nautical almanacks to facilitate the astronomical observation of geodetical positions. Under the auspices of the French "Compagnie des Indes," he made surveying voyages to India and China, and conveyed the eminent astronomer La Caille to the Cape of Good Hope. Thus important rectifications were made in the cartography of the eastern seas, which were combined with compilations from numerous sources, and incorporated in this volume. Major Rennell "borrowed largely" from it.

4. *Alexander Dalrymple's Charts*, 1774–1806.

A collection of CHARTS, PLANS, and VIEWS, engraved under the direction of Alexander Dalrymple, Hydrographer to the East India Company, No title. In two vols., oblong folio, stiff covers.

*** Dates in brackets denote the year of publication by Alexander Dalrymple.

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Chart of Mount's Bay, and the coast from the Lizard to Cape Cornwall, surveyed by John Thomas, John Nancarrow, and Dyonisius Williams, and first published in 1751. Rennell, 1793.
Azores, channel between Fayal and Pico, from a Swedish MS. Views of Fayal (1782).
View of Madeira and Funchal. Plans of Funchal Road, 1762 (1787).
Santa Cruz in Tenerife, by Capt. H. Roberts, and by Capt. Stainforth, 1768 (1796).

Africa, West Coast.

Africa from Cape Blanco to Cape Verd, by D'Après, with corrections by D'Eveux de Fleurieu, 1769 (1785).
Africa from Cape Blanco to Cape Verd, by W. Dupond, 1755 (1785).
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Anna de Chaves Bay, in St. Thomas, by Lieut. Home Riggs Popham, 1784 (1789).
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Elizabeth Bay and Possession Island, by Chevalier Duminy, 1793 (1797).
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N.W. part of the Island and Bay of Ascension, 1745 (1807).
Trinidad from Seller's English Pilot for Oriental Navigation, 1675. Trinidada, by Capt. Edmund Halley, in 1700. Ascensao Island, from Manvel Pimentel, Arte de Navagar (1781).
Fernando Noronha, 1735, 1760 (1781).
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Coast of Brazil from Island St. Anna to Point Juatinga, by De Rosa Pinheiro, 1785 (1790).
Rio Janeiro, by W. Stevens, 1763 (1785).
St. Sebastian and Isle Grande, Brazil (1783).
Tristan da Cunha, by Le Sieur Donat, 1767 (1781).
Gough's Island, views in, 1732 and 1758 (1785).
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South Africa.

Hout Bay and Chapman's Bay, Cape of Good Hope, by Capt. E. Riou, 1790 (1795).
St. Francis Bay, South Africa, by Robert Torin, 1785 (1788).
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Alagoa Bay, South Africa, from a Dutch MS. (1785).
The Bank of Lagullus, South Africa, by J. Rennell, 1778–1797.

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North-west coast of Madagascar, 1650 (1798).
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West coast of Madagascar, by Mr. White and Capt. Fea (1784).
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Bay of Rio Delagoa or Lorenço Marques, from a Dutch MS. (1786).
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Delagoa Bay, by David Inverarity (1806).
East Coast of Africa, comprehending the country of the Cafres. Made by the express order of the King of Portugal, and published at Amsterdam by P. Mortier; also, the rivers of Cuama from a Portuguese MS. in the British Museum; and a plan of Sofala (1787).
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Suffala and Moçambique with Madagascar, by John Van Keulen (1791).
Mozambique Channel, Madagascar, and the coast of Africa, by M. D'Après, 1753 (1791).
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Inhamban Bay, East Africa, by D. Inverarity (1806).
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St. Mary's Harbour by John Brobier, 1746 (Dalrymple, 1775); and by Capt. L. Russell, 1771; Bay of Veninguere; Port and Bay of Cape East. (Dalrymple, 1782.)
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Plan of Patta, by Capt. D. Crichton, 1751. (Dalrymple, 1774.)
Bay on the north side of Johanna, by C. Peter Pigou, 1762 (1771); the island Anzuani or Anjoanna, from Van Keulen; part of Johanna, by A. Sibbald (1786); N.W. part of Mayotta, by Mr. Watson, 1754, and Capt. Peter Pigou, 1762 (1774). (Dalrymple.)
Mombass from a Portuguese MS.; Capt. Bento d'Almedoe's track from Eamuco River to Mancabala Bank (1781); Monbaze (Mombass) Island, from M. D'Après (1784); Zanzibar Island, from a French MS. (1784). (Dalrymple.)

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Mayotta Island, from John Van Keulen; Mayotta Road, from Kempthorne's Drawings, Sloane's MSS. British Museum; * N.W. part of Mayotta Island, by J. Watson in 1754, and P. Pigou in 1762; Mayotta, by G. Stainforth, 1768; track of the "Grantham" along the west side of Mayotta, 1750. (Dalrymple, 1780.)
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Archipelago to the northward of Mauritius, 1776 (Dalrymple, 1787); L'Assomption Island and Cosmoledo Islands, (Dalrymple, 1782); Albadra Islands, 1744 (Dalrymple, 1784).
Track in the "Salomon," Capt. Bourdé, from a French MS., 1776; Soundings on the Chagos, by Capt. R. Scott, 1763. (Dalrymple, 1784.)
Diego Garcia, by Capt. Forrest (1786); the "Pitt's" track off Chagos, 1763, by W. Stevens (1784); N.E. part of the Bassas de Chagos, 1763 (1784); islands near the Maldives, from John Van Keulen. (Dalrymple.)

* "N.B. This Plan seems to be from the Observations of Adam Lee, 1640, whose Journal is at the East India House, A.D." This note is inscribed on the chart by Dalrymple.

The "Calcutta's" track near the Chagos, Capt. Thomson and Wm. Nicholls; two plans of the Island of Chagos or Diego Garcia, 1770 and 1774. (Dalrymple, 1784.)

Seychelles, Praslin, and other adjacent islands, 1768. (Gregory, 1779.)

Eagle Island; Bird Island; Seychelles Harbour; Praslin Harbour; islands discovered by Lazare Picault, 1744. (Dalrymple, 1784.)

Islands of John de Nova, by M. Margaro, 1776; two plans of the Bank of Cargados Carajos, 1742 and 1776; Wood Island, by John Ringrove, 1776; Sable or Sandy Island, 1761; Dangerous Shoals of St. Brandon (Cargados), from Thornton. (Dalrymple, 1782.)

"Eagle's" track, 1772, by J. Mascall, volunteer, 1774, from a MS. at the East India House; Reef of Puntos dos Banhos. (Dalrymple, 1784.)

Maldive, from an English MS. purchased in 1759. (Dalrymple, 1784.)

Maldives, Arria Attol; Atoll Maldiva; King's Island Road and view of King's Town, 1727. (Dalrymple, 1774.)

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The Arabian Sea, &c.

The Arabian Gulf. (Gregory, 1780.)

South Coast of Arabia, Dofar to Shoal Cliff, by Capt. J. S. Smith, H.M.S. "San Carlos," 1781. (Dalrymple, 1783.)

Socotra Island, from a French MS., 1764; and Tameren or Tamarida Road, by J. Browne, 1615 (Dalrymple, 1774). African Coast, Red Sea:—Asab Bay (opposite Mocha); (1783); Suakem, from Van Keulen and D'Anville; 1, Messaua, 1763; 2, Matzua and Arkiko, from D'Anville; 3, Messaua, from an English MS.; Port Dradart,* 19° 45′ N. lat., from Van Keulen. (Dalrymple, 1784.)

Red Sea.

Red Sea, African Coast:—Bahia de Fucha (Mersa Fedger of Moresby?), from Van Keulen; Rio Farat,† 21° 30′ N., from Van Keulen; Porto Quilfit,† 23° 45′ N., from Van Keulen; Arequea (Mersa Arrakea of Moresby?), from Van Keulen; Porto de Gidid,† 22° N., from Van Keulen; Porto Xerme Elcoemata,† 25° N., from Van Keulen; Suez Harbour and Road, by G. Trotter, 1777, and another by Lieut. Mascall, 1777, and Lieut. Harvey. (Dalrymple, 1779–84.)

Red Sea, Arabian Coast:—Mursah Gedan (perhaps Southward of Jiddah); Huddada; Mocha, two plans and views; Bay Denis (Core Goulafugger of Moresby). (Dalrymple, 1780–84.)

Suez Harbour, by W. Robinson, 1777; Tor Harbour, by G. Trotter, 1777; Mursa Sememah (perhaps southward of Jiddah); Mursah Koof or Erres Harbour (Jiddah); Yambo Harbour. (Dalrymple, 1779–83.)

Arabian Sea.

Arabia, South Coast:—Muculla Bay, from Thornton, 1703; Kisseen Bay, by C. D. Crichton; Morebat Bay, by Capt. J. S. Smith, 1781. Arabia Petræa:—Torr Harbour, 1785. (Dalrymple, 1775–86.)

Plan and view of Aden, from Capt. Cornwall; Straits of Babelmandel, from Thornton, 1703. (Dalrymple, 1782–4.)

Mekran Coast from Cape Arubah to the entrance of the Gulf of Persia, by Lieut. Wm. Robinson, 1774. (Dalrymple, 1781.)

Persian Gulf.

Persian Coast, Bussora River; also Catif Bay on the Arabian Coast. (Dalrymple, 1780.)

Gulph of Persia. (Gregory, 1780.)

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* Not in Moresby's Chart and Directions for the Red Sea.

† Not distinguishable on Moresby's Chart, &c.

Muscat and Matura Bays, from a Dutch MS. (Dalrymple, 1781). Muscat Cove and Muthrah Harbour, with a view of Muthrah, by John McCluer, 1785. (Dalrymple, 1786.)

Gulph of Persia, by John Friend, 1704; and another from M. Bellin, Petit Atlas Maritime, tom. iii., 1764 (Dalrymple, 1787). Bushier, plan and view, by Capt. D. Simmons. (Dalrymple, 1774.)

Parts of the Gulph of Persia:—1, from Claud Russell, Esq.; 2, from T. Holmes, Esq.; 3, by Lieut. John Cant; 4, 5, by Lieut. Edw. Harvey, 1778; 6, from Claud Russell, Esq.; 7, Bussorah River, from Claud Russell. (Dalrymple, 1787.)

Euphrates River, from the city of Basara to the Gulph of Persia, 1724 (Dalrymple, 1787); part of the Gulph of Persia, by Edward Harvey, 1778. (Dalrymple, 1786.)

Gulph of Persia, from D'Après, 1776; and another from D'Après, 1745; another by C. Niebuhr with his map of Oman, 1765; and another by D'Anville, 1758, 76. (Dalrymple, 1787.)

Golf of Persia, by Samuel Thornton, 1716; another by John Thornton, 1703; another by John Van Kuelen. (Dalrymple, 1787.)

Head of the Gulph of Persia, by Lieut. John McCluer; entrance of the Gulph of Persia, by Lieut. John Cant. (Dalrymple, 1786.)

Gulph of Persia, by Eng. Kempfer, 1712; another from Claud Russell, Esq.; another by Lieut. Edward Harvey, 1778; another by Lieut. John Cant. Also Karak Island and Bundereek, from an English MS. (Dalrymple, 1774, 87.)

Kismis (Kishm) Channel, from Van Keulen; Jasques (Jask) Road; Churbar, Goadel, and Arrubah Bays; and Astola Island on the Mekran Coast. (Dalrymple, 1780.)

Pera River, Pulo Dinding, and Sambelong Islands, by Thomas Forrest; Pulo Pinang with the Straits and Quedah Coast, by Capt. James Scott. (Dalrymple, 1786.)

India, West Coast.

Coasts of Guzarat and Scindy, by A. Dalrymple, 1783; with additions up to Cape Guadell.

West Coast of India, Kattywar to Goa. (Gregory, 1780.) IV.

Coast of Scindy in three charts. (Dalrymple, 1783.

Plan of Crotchey (Kurachi) Bay, by Joseph Mascall, volunteer, 1774; Bay of Coche, and River Nagor, by Charles Massey; Coast of Scindy, Bay of Cutch, with part of Guzerat. (Dalrymple, 1786.)

Coast of India from Arnol Island to Nunsaree River, by Lieut. J. Ringrose, 1782. (Dalrymple, 1784.)

Nunsaree (Poorna) River, Collack (Koluk or Kurruck) River, and Gundivee (Gundewalee) River, by John Ringrose. (Dalrymple, 1784.)

Coast of Guzerat (Katywar), 1760; plan of Gogo, by Hunter; Broach (Nerbudda) River and Bar, by Lieut. Wm. Aug. Skinner, 1773. (Dalrymple, 1775, 84.)

Bulsaur (Oorungo) River; Omersary River, by Lieut. John Ringrose. (Dalrymple, 1784.)

Arnol or Arnalla Island, and Angassea (Vaturna) River; Danno River (or Kothambee Creek); Plan of Choul; Plan of Surat (Tapti) River, 1750. (Dalrymple, 1775.)

Manhora River in the Island of Salsette; Vassava in Salsette, with a view; and a plan of Mayham, with the channel between Salsette and Bombay Islands, 1777. (Dalrymple, 1780, 81, 85.)

A reduced chart of Bombay Harbour to serve as an index for the large one of eight sheets, by W. Nichelson, Master of H.M.S. "Elizabeth." (Gregory, no date.)

West Coast of India, Goa to Cape Comorin. (Gregory, 1780.) V.

Port of Chaoul, with views of Chaoul and the Island of Coulaba belonging to Angria. (Dalrymple, 1784.)

Plan and view of Gingerah commonly called Donda Rajapore; Boncout (or Bankote) fort and anchorage; sketch of Bassalore or Gundpoor, with Barracore fort; Gariah Harbour (or Viziadroog), by Sir W. Hewett, Bart., 1756. (Dalrymple, 1774–82.)

Plan of Vingorla on the Malabar Coast. (Dalrymple, 1784.)

Dewgur Harbour, by Archibald Blair; Goa Harbour, by Reeves Woodson. (Dalrymple, 1775–84.)

Sinderdroo or Melundy (Malwan), by Co. John Watson, 1765; Merjee, Onore, and Comptee, by Elias Bates, 1725. (Dalrymple, 1775.)

Durmapatam Island; Tellicherry Road, by Capt. Thos. Lynn; the Mud bank of Cranganor, from Van Keulen. (Dalrymple, 1775.)

Ramdilly and its dependencies, from a French MS., from Commodore J. Watson. (Dalrymple, 1786.)

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Passage between Point Ramen and the Island Ramisseram, by W. Stevens; Nyle or Nylewelle Bay, Ceyloan; Batacoloe, Ceylon, 1762; Devy Point, Kistna Delta. (Dalrymple, 1775–83.)

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Coast of Bengal from Putnay Island to Ramnabad (Sunderbunds). (Dalrymple, 1785.)

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Part of Calymere Reef, by James Rennell, 1763 and 64; Shoal between Point Calymere and Negapatam, surveyed by the masters of H.M.'s squadron, 3rd Aug. 1781. (Dalrymple, 1782, 85.)

Part of Choromandel Coast, by Capt. George Baker, 1759, and Capt. John Ritchie, 1771. (Dalrymple, 1784.)

Coast of Coromandel, by S. Dunn. (Gregory, 1780.) VII.

Narsipore, by C. Knapton, 1751; Vizagapatam, by J. Seaton, 1747; Bay of Coringa, by W. Stevens, 1773. (Dalrymple, 1783.)

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Indian Ocean, 1799.
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5. *Captain Horsburgh's Charts*, 1810–1836.

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Dalrymple's practice was to publish every Chart that came into his hands; besides which he often produced very interesting comparative Charts of the same locality by different authorities, old and new. His favourite function was collection and speedy distribution rather than criticism. Horsburgh, on the other hand, only published Charts of the best authority. The surveys of Court, Ross, Brucks, Maxfield, Haines, Moresby, and others, were among Horsburgh's publications, as Hydrographer to the East India Company, and examples of the works of these surveyors are in this volume.

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Strait of Sunda, dedicated to Capt. Krusenstern of the Russian Navy, by James Horsburgh, 1818.

Maldive Islands, by James Horsburgh, 1814.

Killon Harbour and Merope's Bay in the Island of Formosa, by Lieut. G. Parkyns and J. B. Livesay, R.N., 1824. (Horsburgh, 1825.)

Tracks of the ships "Discovery" and "Antelope" with the exact situation of the Paracels, by Daniel Ross and Philip Maughan, Lieuts. Bombay Marine, 1808.

Western group of the Paracels, by Daniel Ross, Lieut. Bombay Marine, 1808.

South-east coast of Hainan, by Daniel Ross, Capt. Bombay Marine. (Horsburgh, 1822.)

Amphitrite Islands forming part of the Paracels, by Daniel Ross, Lieut. B.M. 1808.

Tihen-Pien or Tien-Pack Harbour, on the south coast of China, by Lieut. Daniel Ross, B.M.

The Channel and anchoring places to the eastward of Fansyack, being a continuation of Captain Ross' Plan of the Western Channel from Lintin to Boca Tigris, by W. R. Blakely, John Vaux, Charles Evans, and C. W. White, H. E. I. C. Service 1829. (Horsburgh, 1830.)

Passages leading to the Lymoon (Hong-kong), continued from Capt. D. Ross, Survey, by Wm. R. Blakely and others. (Horsburgh, 1830.)

Harbour of Hui-ling-san, on the south coast of China, by Lieut. D. Ross, B.M.

Canton River from the Second Bar Creek to the upper part of Whampoa Reach, by D. R. Newell, and H. P. Auber. (Horsburgh, 1818.)

River Chookeang or Tigris (Canton River) from Longeet to Second Bar, by D. Ross and P. Maughan, Lieuts. B.M. 1815. (Horsburgh, 1816.)

Namo Harbour on the south coast of China in 1807, by Lieut. D. Ross, B.M.

Channel from Lintin to Bocca Tigris, Canton, by Lieut. D. Ross, B.M.

Choo Keeng or Canton River, by James Horsburgh, 1831.

Part of the East Coast of China, and West Coast of Formosa, by George Blaxland. (Horsburgh, 1828.)

Tumbelan Islands, China sea, by Lieut. Ross, 1814.

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Tracks of H. C. S. "General Harris" in the China Sea, 1816, 1820, 1825. (Horsburgh, 1826.)

Coast of China eastward of the Great Ladrone Island by Lieut. D. Ross, 1813. (Horsburgh, 1814.)
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Soundings on the S.E. Coast of China, east of Namoa Island, by Lieut. Parkyns, R.N. 1824. (Horsburgh, 1825.)
Tracks of the H. E. I. C. ships "Discovery" and "Investigator" in the Yellow Sea, with Lord Amherst in 1816. By Lieut. D. Ross. (Horsburgh, 1817.)
Kisanseu, or Zeu-oo-tao Harbour, Chusan Islands, by Lieut. D. Ross, B.M. 1816. (Horsburgh, 1817.)
Sketches and remarks by Capt. Moffat on the Lower Shoal of the First Bar and on Brunswick Rock in Canton River.

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Strait of Malacca, Sheet 1st. Malacca to Sambelang.
Strait of Malacca, Sheet 2nd. Cape Rachado to Singapore Strait.
Plan of Soundings from Pulo Clor to the southward, and outside of the Reef of Point Roumania towards the entrance of Singapore Strait, with the land adjacent, &c.
Plan of Bombay Harbour, principally illustrative of the entrance; constructed from measured bases and a series of angles taken in 1803 and 1804.

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4. Part of S. coast of China, Tienpak to Canton River, by Daniel Ross, Philip Maughan, Lieuts., 1807.
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*** The Charts in this volume for the Coasts of Africa, Madagascar, and other Islands in the Indian Ocean, are chiefly from the Surveys made by Capt. W. F. W. Owen, R.N., assisted by Capt. Vidal and other officers, and published by the Admiralty.

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6. *Mr. John Walker's Charts*, 1836–1861.

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69. Malabar Coast, Sheet 4, Calicut to Mount Dilly, Lieut. A. D. Taylor and Assistants, 1857.
70. Malabar Coast, Sheet 3, 9° 50′ to 11° 2′ North latitude, Lieut. W. B. Selby, 1851–3.
71. Malabar Coast, Sheet 2, 80° 40′ to 9° 53′ North latitude, Lieut. W. B. Selby, 1850–52.
72. Malabar Coast, Sheet 1, Cape Comorin to Anjengo, Lieut. W. B. Selby, 1850–51.

73. Angenweel Harbour, Lieut. W. E. Rogers, 1826.
74. Sketch of Anchorage, Rutnagheriah, Lieut. C. W. Montriou.
75. Bay and Entrance to Rajapoor River, Lieut. C. W. Montriou and Assistants, 1844.
76. Viziadroog Harbour, Lieut. C. W. Montriou, and Assistants, 1844.
77. Dewghur Harbour, Lieut. C. W. Montriou and Assistants, 1844.
78. Goa and Murmagoa Roads, Captain D. Inverarity, 1816.
79. Calicut Roads and Entrance to Beypoor River, Lieut. C. W. Montriou, 1846.
80. Cochin River Entrance, Bar and Roadstead, Lieuts. A. D. Taylor and Mr. G. Lewis.
81. Laccadive Islands, Lieut. R. Moresby, 1828, and Lieuts. W. B. Selby and A. D. Taylor, 1848.
82. Maldeeve Islands, Commander R. Moresby and Lieut. F. T. Powell, 1835. 3 *sheets.*
83. Maldeeve Islands, reduced.
84. Chagos Archipelago, Commander R. Moresby and Lieut. F. T. Powell, 1836.
85. Principal Groups in the Chagos Archipelago, Commander R. Moresby and Lieut. F. T. Powell, 1837.
86. Nautical Directions for the Maldeeve Islands and Chagos Archipelago, Commander R. Moresby.
87. Coast of Tinnevelly, Mr. J. J. Franklin, R.N., 1842.
88. Coast of Madura, Lieuts. F. T. Powell, R. Ethersey, and Mr. J. J. Franklin, R.N., 1838.
89. Western Side of Palk Strait, Lieuts. F. T. Powell and R. Ethersey, 1838.
90. Roadstead and Harbour of Tuticorin, Mr. J. J. Franklin, R.N., 1842.
91. Paumben Pass, Lieuts. F. T. Powell and R. Ethersey, 1837.
92. Islands of Rameseram and Manaar, Lieuts. F. T. Powell and R. Ethersey, and Assistants.
93. West Coast of Ceylon, Mr. J. J. Franklin, R.N., and Lieuts. F. T. Powell and R. Ethersey, and Assistants. 4 *sheets.*
94. Palk Strait and Gulf of Manaar, Lieuts. F. T. Powell, R. Ethersey, and Mr. J. J. Franklin, R.N., 1838 and 1845. 2 *sheets.*
95. Pulicat and Armegon Shoals, Capt. W. Maxfield, 1821.
96. Mootapilly Bay, Capt. C. Court, 1816.
97. Coromandel Coast from 16° 30′ to 18° 45′ N. lat., Lieut. Wm. Fell. 3 *sheets.* 1848.
98. Coringa or Cocanada Bay, Lieuts. A. D. Taylor and E. R. May, 1857.
99. Balasore Roads, Entrance into the Hoogly, &c., Commander R. Lloyd, 1841.
100. River Hoogly, from Calcutta to Saugur Point, Commander R. Lloyd, 1836.
101. Mutlah River, Lieut. C. Y. Ward, 1855.
102. Sea face of the Soonderbunds, 3 *sheets*, Commander R. Lloyd and Assistants, 1840.
103. Chittagong River, Commander R. Lloyd and Assistants, 1840.
104. Bay of Bengal, Capt. James Horsburgh.
105. Chittagong to Arracan River, Capt. Daniel Ross.
106. Coast of Arracan and Port of Akyab, Capts. D. Ross and R. Lloyd; additions by Capt. H Weston and Lieut. Heathcote, 1857.
107. Arracan River, Lieut. R. Lloyd, 1832.
108. Arracan River to Foul Island, Capt. Daniel Ross, with additions by Commander R. Lloyd and Capt. E. P. Halstead, R.N., 1841.
109. Cheduba Straits and Coast of Ramree, Capt. D. Ross, with additions by Commander R. Lloyd and Capt. E. P. Halstaed, R.N., 1841.
110. Kyouk Phyoo Harbour and Combermere Bay, Capt. D. Ross, 1832, with additions by Commander R. Lloyd and Capt. E. P. Halstead, R.N. 1841.
111. Coast of Ava from latitude 18° to Cape Negrais, Capt. John Crawford, 1826. 2 *sheets.*
112. Eastern Peninsula of India, Capt. James Horsburgh. (Not transferred, being the property of the Horsburgh family.)

113. Preparis North Channel, Lieut. C. Y. Ward and Assistants, 1855.
114. Bassein River, Lieut. C. Y. Ward and Assistants, 1853.
115. Rangoon River, Lieut. C. Y. Ward, 1854.
116. Moulmein River and Eastern Coast of Gulf of Martaban, Lieut. W. Fell, 1847.
117. Coast of Pegu and Gulf of Martaban, Lieut. W. Fell, 1850.
118. Coast of Pegu and part of Tenasserim, compiled from surveys of Capts. D. Ross and J. Crawford, and Lieuts. W. Fell and C. Y. Ward.
119. Andaman Islands, Lieut. Archibald Blair, 1793. 4 *sheets*. *Sheet* 2 wanting. *See also* page 580.
120. Martaban to Tavoy Point, Capt. D. Ross, 1828. 2 *sheets*.
121. Moscos Islands, Capt. Charles Court, 1826.
122. Tavoy River, Lieut. R. Moresby, 1824.
123. Tavoy Point to Mergui, Capt. D. Ross, 1828.
124. Mergui Harbour, Commander R. Lloyd.
125. Mergui Archipelago, from Iron Island to the Sayer Islands, Capt. D. Ross, 1828, with additions by Commander R. Lloyd, 1839. 2 *sheets*.
126. Hastings Harbour (Mergui Archipelago), Capt. D. Ross, 1828.
127. Straits of Malacca and Singapore, Capt. James Horsburgh.
128. North Coast of Sumatra from Acheen Head to Diamond Point, Commander Fell, 1851.
129. Penang Island and Harbour, Lieut. C. Y. Ward and Assistants, 1856.
130. Malacca Strait, Pulo Penang to Parcelar Hill, Lieut. C. Y. Ward and Assistants, 1858. 2 *sheets*.
131. North and South Sands, Malacca Strait, Lieut. C. Y. Ward and Assistants, 1852. 2 *sheets*.
132. Malacca Strait, Cape Rachada to Mount Formosa, Lieut. C. Y. Ward, 1855. 2 *sheets*.
133. Malacca Strait, Mount Formosa to Tanjong Bolus, Lieut. C. Y. Ward and Assistants, 1855. 3 *sheets*.
134. Singapore Harbour and Islands in its vicinity, Capt. D. Ross, 1827.
135. West Coast of Sumatra, Captain James Horsburgh.
136. Northern Pepper Ports (West Coast of Sumatra), Capt. S. Ashmore, 1821.
137. Croee Roads, Mr. McKellar, R.N., 1810.
138. East Coast of Sumatra, Lieuts. W. Rose and R. Moresby, 1822.
139. Channel Westward of Romania Reef, Capt. D. Ross, 1818.
140. Islands Eastward of Bintang, Capt. D. Ross, 1819.
141. Straits of Rhio, Durian, &c., Capt. James Horsburgh.
142. East Coast of the Malay Peninsula, Lieut. John Crawford, 1820.
143. Straits of Durian, Lieuts. W. S. Collinson, Hawkins, and R. Moresby, 1822.
144. Tanjong Bon and Pulo Barellah to the Southern Entrance of the Straits of Durian, Lieuts. W. S. Collinson and R. Moresby. 2 *sheets*, 1823.
145. Ilchester Shoal, Capt. D. Ross, 1819.
146. Tract through the Straits of Billiton, Lieut. D. Ross, 1813.
147. Track Northward of Lucepara Island, &c., Lieut. D. Ross, 1813.
148. Straits of Banca and Gaspar, Capt. James Horsburgh.
149. East, North, and North-west Coast of Banca, Mr. J. J. Robinson, 1819.
150. Channel between Sumatra and Lucepara, Captain D. Ross, 1818.
151. Western Part of Pulo Leat, Capt. D. Ross, 1818.
152. Gaspar and Clements Straits, Capt. D. Ross, 1818.
153. Carimata Passage, Capt. James Horsburgh.
154. Tracks of the H.C.S. "General Harris," on her passage from China to Gaspar Straits, 1825.
155. Strait of Sunda, Capt. James Horsburgh.
156. Island of Thwart the Way, Capt. Maxfield and Lieut. J. S. Criddle, 1819.
157. Caloombyan Harbour, Lieuts. W. H. Hull and W. H. Johnston, R.N., 1818.
158. Rajah Bassa Road, Capt. W. Moffatt, 1815.
159. Samangca Bay, Lieuts. W. H. Hull and W. H. Johnston, R.N., 1818.
160. Straits of Bally, Lieut. John Crawford, 1816.
161. Plan of Macassar, Lieut. J. Crawford, 1814.

162. Track through the Gillolo Passage, Mr. W. R. Blakely, 1823.
163. China Sea. 2 *sheets*. Capt. James Horsburgh.
164. Tumbelan Islands. Lieut. D. Ross, 1814.
165. Natuna Islands.
166. Appo Shoal, Lieut. D. Ross, 1816.
167. Track of the "Antelope" on the West Coast of Palawan, Lieut. D. Ross, 1810.
168. General Chart of the Paracels. 2 *sheets*. Lieuts. D. Ross and P. Maughan, 1808.
169. Western Group of the Paracels, Lieut. D. Ross, 1808.
170. Amphitrite Islands, forming part of the Paracels, Lieut. D. Ross, 1808.
171. South Coast of China, west of Macao. 2 *sheets*. Lieut. D. Ross and P. Maughan, 1807.
172. Passages leading to the Macao Roads, Lieuts. D. Ross and P. Maughan, 1810.
173. Lintin to Bocca Tigris, Lieut. D. Ross.
174. Passages leading to the Lymoon, Mr. William R. Blakeley, 1830.
175. Canton River, Capt. James Horsburgh.
176. Longeet to Second Bar (Canton River), Lieuts. D. Ross and P. Maughan, 1815.
177. Second Bar Creek to Whampoa Reach (Canton River), Messrs. D. R. Newell and H. P. Auber, 1816.
178. South-east Coast of Hainan, Capt. D. Ross, 1822.
179. Coast of China, East of the Great Ladrone, Lieut. D. Ross, 1813.
180. Continuation of Ditto from Breaker Point to Lamock Islands, Lieut. D. Ross, 1816.
181. Harlem's Bay and part of the Coast of China, Lieut. D. Ross, 1812.
182. Tihen Pien or Tien Pack Harbour (South Coast of China), Lieut. D. Ross.
183. Harbour of Hui-ling-san (South Coast of China) Lieut. D. Ross.
184. Namo Harbour (South Coast of China), Lieut. D. Ross, 1807.
185. Ki-san-seu Harbour, Lieut. D. Ross, 1816.
186. Oie-hai-oie Harbour, Lieut. J. Crawford, 1816.
187. Killon Harbour and Merope's Bay (Island of Formosa), Lieut. G. Parkyns, R.N., and Mr. J. B. Livesay, 1824.
188. Gulf of Pe-tche-lee, Lieut. D. Ross, 1816.
189. East Coast of China, Capt. James Horsburgh.
200. Eastern Passages to China. 3 *sheets*. Capt. James Horsburgh.
201. Track through Pitt's Passage and Dampier's Strait, Capt. James Horsburgh, 1793.

Note.—On the revival of the Indian Marine Surveys in 1874, Capt. A. D. Taylor ascertained that the foregoing Charts stood as follows:—

Charts corrected to 1861. No. 31.
" " to 1863. No. 37.
" " to 1865. No. 9, 10, 11, 12, 15, 17, 18, 19, 20. 21.
" " to 1866. Nos. 47, 48, 49, 50, 51, 52, 54, 55, 56, 58, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 84, 85, 87, 90, 91, 94, 97, 98, 101, 102, 103, 104, 107, 109, 110, 113, 114, 115, 124, 125, 126, 128, 182, 183, 184.
" " to 1867. Nos. 33, 39, 45, 46, 82, 100.
" " to 1868. No. 22.
" " to 1874. No. 47.

*** The corrections appear to have been generally unimportant, the Indian Marine Surveys having been suspended.

Charts cancelled:—Nos. 14, 23, 24, 25, 34, 35, 36, 38 (lost), 40, 41, 42, 43, 44, 53, 57, 59, 63, 81, 83, 88, 89, 92, 93, 96, 99, 105, 106, 108, 111, 116, 117, 118, 119, 120, 122, 123, 127, 129, 132, 134, 135, 136, 137, 138, 139, 140, 141, 142, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 158, 160, 161, 162, 163, 164, 165, 166, 167, 168, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 185, 186, 187, 188, 189, 200, 201.

Since 1861, the current Charts of the Indian Seas have, for the most part, been published by the Admiralty, and a list of them is included in the Admiralty Catalogue. Some have been issued in Calcutta, of which the following are in the India Office:—

7. *Mr. Pearson's Charts*, 1866–69.

The ENTRANCE into RANGOON RIVER. Surveyed by Mr. W. Pearson, Bengal Marine, during the months of January and February 1866. *Scale*, 1 *inch to* 1,000 *yards; size*, 36 *inches by* 50.

COAST of CHITTAGONG. Surveyed by Mr. W. Pearson, Bengal Marine, assisted by Messrs. G. Chitty, A. J. Connor, and C. F. Noad. 1868–69. *Scale*, 2 *miles to* 1 *inch; on* 2 *sheets; size of each*, 30 *inches by* 22.

8. *Capt. A. Dundas Taylor's Charts*, 1875.

Charts by the Marine Survey Department of the Government of India, under the superintendence of Capt. A. D. Taylor, commencing November 1875:—

India, West, North Konkan. Sketch of the Entrance to RAJPURI RIVER, by Navigating Lieut. W. P. Haines, R.N., 1876. *Scale*, 4 *inches to* 1 *mile; size*, 13 *inches by* 22.

India, West Coast. Sketch of QUILON ROADS. By Lieut. A. Dundas Taylor, 1858. Calcutta, 1876. *Scale*, 4 *inches to* 1 *mile; size*, 16 *inches by* 18.

India, West Coast, Travankor. KOLACHEL ROADSTEAD and ENCIAM ROCKS. Surveyed by M. Chapman, I.N., 1875. *Scale*, 10 *inches to* 1 *mile; size*, 40 *inches by* 27.

India, East Coast. MADRAS ROADSTEAD. Surveyed by Nav. Lieut. F. W. Jarrad, R.N., Dep. Supt. Marine Survey of India, and Mr. P. J. Falle, Assistant Superintendent. October 1876. *Scale*, 300 *feet to* 1 *inch; size*, 40 *inches by* 27.

Bay of Bengal. CORINGA or COCANADA BAY, showing the Northern Godavery Mouths. Surveyed by Navigating Lieut. G. C. Hammond, R.N., and Assistants. 1875. *Scale*, 2 *inches to* 1 *mile; size*, 40 *inches by* 27.

Bay of Bengal. Orissa Coast. FALSE POINT ANCHORAGE, and Entrance to Bacood Creek and Jumboo River. Surveyed by H. A. Harris, Conservator of Orissa Ports. August and September 1875. *Scale*, 1½ *inch to* 1 *mile; size*, 27 *inches by* 20.

Bay of Bengal. HOOGLY RIVER, Luff Point to Anchoring Creek, showing the James and Mary Shoals, and the entrance to the Roopnarain River. Surveyed by Nav. Lieut. J. E. Coghlan, R.N., Dep. Supt., &c. April and May 1875.

Bay of Bengal, East Coast. British Burmah. TAVOY RIVER. From a sketch by Lieut. Robt. Moresby, late Bombay Marine, with corrections and additions by Comr. A. D. Taylor, Supt. Marine Surveys of India. 1876. *Scale*, ¾ *inch to* 1 *mile; size*, 32 *inches by* 21.

Bay of Bengal. Coast of Tenasserim (Siam). KOPAH INLET. From a sketch by Comr. A. Dundas Taylor, late I.N., and other documents. 1876. *Scale*, ¾ *inch to* 1 *mile; size*, 27 *inches by* 20.

Siam. West Coast Malay Peninsula. JUNKSEYLON, East Coast. Puket or Tonkah Harbour. Surveyed by Comr. A. de Richelieu, H.M. Siamese Navy. 1876. *Scale, 3 inches to 1 mile; size, 30 inches by 22.*

II. SINGLE CHARTS PARTLY IN MANUSCRIPT.

Mediterranean Sea.

SOUNDINGS obtained between MALTA and TRIPOLI and TRIPOLI and ALEXANDRIA preparatory to the laying of the ELECTRIC CABLE. By Captains Spratt and Mansell. With sections. 1861. *Size, 40 inches by 27.*

Another Chart of the same, with the Soundings and that part of the chart between Tripoli and Malta, in MS. The nature of the bottom is distinguished by colours, and also the approved line for the Cable. *Size, 20 inches by* 56.

Indian Ocean.

CHART of the INDIAN OCEAN, from the Cape of Good Hope to Calcutta, including the Red Sea and the Persian Gulf, compiled from the most recent surveys of the East India Company's Officers and those of the Royal Navy, by John Walker, Geographer to the East India Company. London, 1845. *On 2 sheets; scale, about 130 miles to 1 inch; size, 50 inches by 40.*

African Coast.

CHART of the TRACK of H.M.S. "Heron," Job Hanmer, Esq., Commander . . . to ascertain the existence of the bank reported by Lieut. West, of the sloop "Albion," and also the Telemaque Shoal, by James Fraser, Acting Master, 1822. *Size, 19 inches by 24.* MS.

Nineteen VIEWS of the AFRICAN COAST, in water colours, by J. Jopp, Ensign, Engineer, 1811. *On 1 sheet; size, 28 inches by 18.* MS.

A distant VIEW of JUAN DE NOVO (Island in Mozambique Channel) in water colours. *Size, 5 inches by 13.* MS.

A SKETCH of part of the EAST COAST of AFRICA, from Observations taken on board the Hon. Company's cruizers "Ternate" and "Sylph," by J. Jopp, Ensign, Engineers, 1811, between the Red Sea and Zanzibar. *On 2 sheets; size of each, 25 inches by 21.* MS.

Chagos Archipelago.

A Plan of the HARBOUR of DIEGO GARCIA, from a Survey under the direction of Captain Conrad Sartorius. No date. *Size, 40 inches by 27.* MS.

Seychelles Archipelago.

An exact Map of the HARBOUR of PRASLIN, from an actual Survey and Astronomical Observations in July, 1771. *Size, 18 inches by 23.* MS.

Laccadives.

CHART of the ISLANDS and REEFS at the Northern part of the LACCADIVE GROUP, with the Padua and Sesostris Banks, by Lieut. W. B. Selby and A. D. Taylor and Assistants, Indian Navy. 1848. *Size*, 26 *inches by* 38. MS.

A Trigonometrical Survey of the BYRAMGORE REEF or CHEREAPANI, the westernmost danger of the Laccadives. By Lieuts. W. Selby and A. D. Taylor, &c. 1848. *Scale*, 1,000 *yards to* 1 *inch; size*, 27 *inches* by 30. MS.

See also No. 81, page 592.

Red Sea.

A Chart of the RED SEA, from latitude 20° N. to SUEZ, from Capt. Court's Survey; drawn by J. Byers. 1805, received in 1809. *Size*, 33 *inches by* 27. MS.

Capt. Court's SURVEY of the RED SEA, latitude 15° to 18° N. With views of Ras Gedam and Mirza Mumbarrack. Drawn by J. Byers. 1805. *Scale*, 8 *miles to* 1 *inch; size*, 27 *inches by* 34. MS.

Capt. Court's SURVEY of the RED SEA, latitude 18° to 21° N., with a view of the land about Port Mornington. In continuation of the foregoing.

Capt. Court's SURVEY of the RED SEA, a Plan of the narrow Straits of Babelmandeb, with a view. *Scale*, 1½ *inches to* 1 *mile; size*, 15 *inches by* 19. MS.

A Chart of the COAST of ABYSSINIA, from Ras Bieloul to Massowah, by Lieut. Maxfield, of H. C. Marine. Dedicated to Lord Valentia. 1805. *Size*, 19 *inches by* 26. MS.

A Trigonocatenary SURVEY of the HARBOUR of MASSOWAH, by Lieut. W. Maxfield, H.C. Bombay Marine. 1805. *Size*, 16 *inches by* 18. The original and a copy. MSS.

Chart of the Coast of ABISSINIA and NUBIA, from 13° to 20° N. Lat. and from 37° 26′ to 42° 44′ E. Longitude. Made at the expense of the East India Company in their cruizers Panther and Assay, by Charles Court and William Maxfield, Lieuts. in the Bombay Marine. 1804, 1805. (Dalrymple.) *Size*, 20 *inches by* 26.

Sketch of MASSOWAH HARBOUR. By Lieut. R. W. Whish, Indian Navy. 1854. *Size*, 11 *inches by* 8. MS.

Sketch of HODEIDAH ROADS. By Lieut. R. W. Whish, Indian Navy. 1854. *Size*, 13 *inches by* 9. MS.

CHART of the RED SEA from JUDDA to SUEZ, on Mercator's Projection. Surveyed in the Hon. Company's brig "Palinurus," Robert Moresby, Esq., Commander, in the years 1830, 31, 32. *Size*, 26 *inches by* 38. MS.

Trigonometried SURVEY of MOCHA ROADS, with a View; executed in H. C. steamer "Palinurus" under the direction of Acting-Commander T. B. Haines, I.N., assisted by Lieuts. Sanders, Jardine, and Sheppard, and Mids. Ball, Stevens, Rennie, Grieve, and Barrow of the Indian Navy. 1836. *Scale*, 3 *inches to* 1 *mile; size* 33 *inches by* 29. MS.

STRAITS of JUBAL, or entrance to the SEA of SUEZ, compiled from different records of the Survey in the Government Chart Office, Bombay, by Lieut. E. F. T. Fergusson, I.N., Draughtsman to the Indian Navy. 1853. *Scale, 2 miles to* 1 *inch; size,* 30 *inches by* 42. MS.

SURVEY of the COAST and ISLANDS to the Westward of JUBAL. *Scale,* 2 *miles to* 1 *inch; size,* 23 *inches by* 25. MS.

Arabian Gulf.

A Trigonometrical SURVEY of the Entrance to the RED SEA, in the Hon. Company's surveying vessel "Palinurus," by Commander T. B. Haines, I.N., with views. *Scale,* 1 *inch to* 1 *mile; size,* 42 *inches by* 29. MS.

The SOUTH-EAST COAST of ARABIA on Mercator's Projection, compiled from Trigonometrical Surveys by Commanders Haines and Sanders and Lieut. A. M. Grieve, Indian Navy. Sheet 2, drawn by Lieut. Grieve. 1848. *Scale,* 10 *miles to* 1 *inch; size,* 30 *inches by* 47. MS.

Working Sheet of the ARABIAN COAST, corrected by Capt. S. B. Haines, Indian Navy. To accompany the second part of his Memoir. Between Ras Furtuk and Ras el Had. 1844. *Scale,* 20 *miles to* 1 *inch; size,* 25 *inches by* 30. Lith.

Trigonometrical SURVEY of the AFRICAN COAST, from Jibul Jarne to Sayara, executed in the H. C. brig of war "Euphrates," by her Commander Lieut. W. C. Barker, assisted by Lieut. W. Christopher, I.N. 1841. With views. *Scale,* 4 *miles to* 1 *inch; size,* 28 *inches by* 51. MS.

Chart of the ISLANDS Westward of SOCOTRA, surveyed by Lieut. A. M. Grieve and others, in H. C. B. "Palinurus." 1848. *Scale,* 4 *miles to* 1 *inch; size,* 30 *inches by* 52. MS.

Chart of the GULF of ARABIA on Mercator's Projection. Compiled from Surveys made by Officers of the Indian Navy, by Lieut. Fergusson, I.N., F.R.A.S., Draughtsman, I.N. 1852. *Scale,* 20 *miles to* 1 *inch; size,* 30 *inches by* 52. MS.

Trigonometrical Survey of the MUSSAHH ISLANDS (Tejurah Bay), taken possession of in the name of Her most Gracious Majesty Queen Victoria, and trigonometrically surveyed by Lieut. W. C. Barker, I.N., commanding H.E.I.C. Brig "Euphrates," September 1840. *Scale,* 1 *inch to* 1 *mile; size,* 16 *inches by* 20. MS.

Persian Gulf. General Charts.

Chart of the GULF of PERSIA, constructed * * by * * George Barnes Brucks, Commr. H.C. Marine, 1830. With the Persian and Arabic names written by hand in the Oriental character in red ink. On 2 sheets.

A LIST of NAMES of POSITIONS on both sides of the PERSIAN GULF, BAGHDAD, 25th February, 1836. Fcap. folio, sewed. MS.

ARABIC CHARACTERS to accompany and for insertion in the Chart of the Persian Gulf. 1825. On one leaf, demy folio. MS.

Persian Gulf, Arabian Coast.

Trigonometrical Plan of the SUMMITS of the QUOINS and ISLANDS that form what is commonly called CAPE MUSSELDOM, on the Southern side of the Entrance of the Persian Gulf, by P. Maughan, Commander, H. C. Marine. 1821. *Size,* 28 *inches by* 21. MS.

. . Chart of the SOUTH COAST of the PERSIAN GULF from Shaum to Ul Umrah . . . by Philip Maughan, Commander, H. C. Marine. 1821, Drawn by Lieut. Houghton. *Size,* 30 *inches by* 50. MS.

VIEWS by Lieut. M. Houghton, I.N. :—

1. Coast of Arabia, taken at anchor in 15 fathoms about a mile distant from Shaum.
2. Sketch of the Arabian Coast between Raumps and Ras-el-Khyma in five fathoms.

Size of each, 21 *inches by* 29. MSS.

A Plan of the BACKWATERS of RASULKYMA, with the Soundings off the Entrance, by Lieut. Brucks. *Scale,* 7 *inches to* 1 *mile; size,* 15 *inches by* 21. MS.

Trigonometrical Plan of the BACKWATERS at RAS-AL-KYMA, by Lieut. J. M. Guy. 1822. *Size,* 25 *inches by* 33. MS.

Trigonometrical Plan of the BACKWATER at UL UMRAH (Jez-el-Hamrâ) on the Arabian side of the Persian Gulf, by Lieut. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size,* 27 *inches by* 25. MS.

Trigonometrical Plan of the BACKWATERS at AMULGAWEIN (Um-el-Kaiwein), by Lieut. G. B. Brucks, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Scale,* 4½ *inches to* 1 *mile; size,* 26 *inches by* 34. MS.

Trigonometrical Plan of the Entrance of the BACKWATER at AYMAUN ('Ajmân), by Lieut. R. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size,* 18 *inches by* 22. MS.

Trigonometrical Plan of the BACKWATER at SHARJA (esh-Shârikah), by Lieut. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size,* 20 *inches by* 24. MS.

Plan of the BACKWATER of DEBAI (Dabai) on the Arabian side of the Persian Gulf, by Lieut. R. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size,* 20 *inches by* 22. MS.

Trigonometrical Survey of the SHORES of and the SOUNDINGS off the Entrance to ABOTHUBBEE (Abu-Zháby or es Sir) on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy and G. B. Brucks, H. C. Marine. 1826. *Size,* 27 *inches by* 32. MS.

Plan of the ISLAND and HARBOUR of BENI YASS (Sir Benu-Yâs), by Lieuts. G. B. Brucks and R. Cogan. 1822. *Size,* 21 *inches by* 29. MS.

Trigonometrical Survey of CORE ALLADEID (Khôr el 'Udâïd) on the Arabian side of the Gulf of Persia, by Lieuts. J. M. Guy and G. B. Brucks, H. C. Marine. 1823. Drawn by Lieut. M. Houghton, H.C.M. *Size,* 29 *inches by* 20. MS.

Trigonometrical Plan of the HARBOUR of EL BIDDAH (Bid'aa) on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy, and G. B. Brucks, H.C.M. 1823. With a view from the anchorage. *Size,* 30 *inches by* 38. MS.

Trigonometrical Plan of CORE SHEDEITCH on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy and G. B. Brucks, H.C.M. 1823. *Size,* 22 *inches by* 24. MS.

Part of the RUWEIS at JEBAL, compiled from the surveys of Captains Guy and Brucks in 1821–28, by Comr. Constable and Lieut. Stiffe, with the proposed track of the Telegraph Cable, south of Cape Musondom. To accompany Letter No. 29, by P. Stewart. October 20th, 1862. *Size,* 15 *inches by* 11.

KHOR as SHEM, with proposed Telegraph Track, an enlargement of part of the foregoing. *Size,* 14 *inches by* 20. MS. On tracing cloth.

Makrán Coast.

A Trigonometrical Survey of JASK (Jashak) BAY and the PERSIAN COAST to Kohombarak or Bombarick (Kor Mubarâk) Rock, showing a dangerous rocky shoal. Reduced to a chart on Mercator's Projection, by Capt. Henry William Sealy of the Bombay Artillery. 1811. *Scale,* 2 *miles to* 1 *inch; size,* 20 *inches by* 27. MS.

JASHK SHOAL. Surveyed by Lieut. A. W. Stiffe, I.N. Dec. 1862. *Size,* 14 *inches by* 12. MS.

MAKRAN COAST. Compiled from the surveys of the following officers of the late Indian Navy:—Capts. G. B. Brucks, S. B. Haines, T. G. Carless A. Grieve, C. G. Constable, and A. W. Chitty. The principal points astronomically corrected, and numerous additions made by Lieut. A. W. Stiffe, late I.N., F.R.A.S 1874. Tracing from original MS. *Size,* 27 *inches by* 44.

Western India.

McCluer's General Chart of Western India, on three sheets.

1. Chart of Part of the COASTS of INDIA and GUZERAT, from a survey made by order and at the expense of the East India Company. By John McCluer. 1788. (Poorbunder in Kattywar to Zyghur in the Concan.) Published by A. Dalrymple for the Admiralty.

2. Chart of Part of the MALABAR COAST; from a survey made by order and at the expense of the East India Company. By John McCluer. 1789 and 1790. (Bombay to Carwar.) Published by the Admiralty.

3. Chart of Part of the MALABAR COAST and Part of the LACCADIVES; reduced from a survey made by order and at the expense of the East India Company. By John McCluer. 1790. (Cape Ramas to Cape Comorin.) With additions to 1833. Published by the Admiralty.

Track Chart of the COAST of WESTERN INDIA on Mercator's Projection, compiled partly from recent Surveys, partly from the Grand Trigonometrical Surveys of India, and partly from McCluer's Charts and other authentic records and plans in the Government Chart Office, at Bombay. By Lieut. Fergusson, I.N., F.R.A.S., Hydrographer, Indian Navy. London and Bombay, 1856. *On* 2 *sheets; scale, about* 30 *miles to* 1 *inch; size,* 44 *inches by* 31.



Cutch.

GULF of CUTCH, by Lieut. A. D. Taylor, I.N. 1851. *Scale, 1 inch to* 2,000 *yards. On* 4 *sheets.* MS.

GULF of KUTCH, on 4 sheets. By Lieut. A. D. Taylor, I.N. 1851. *Scale,* 1 *inch to* 2,000 *yards; size,* 27 *inches by* 40.

A Survey of the CREEKS at the Head of the GULF of KUTCH. By Lieut. A. D. Taylor and R. W. Whish, of the Indian Navy, &c. 1851. *Scale,* 1 *inch to* 4,000 *yards; size,* 27 *inches by* 20.

GOORIYA CREEK (CUTCH). Surveyed by Lieut. A. M. Grieve, Messrs. Barker and Shairp, Mn. I.N. 1848. *Scale,* 2 *inches to* 1 *mile; size,* 20 *inches by* 27.

A Trigonometrical Survey of MANDAVIE ROADS (CUTCH), with adjacent reefs. By Lieut. W. B. Selby and Mr. A. D. Taylor, Assistant Surveyors of the Indian Navy, &c. 1847. Drawn by A. D. Taylor. *Scale,* 2 *inches to* 1 *mile; size,* 39 *inches by* 27.

Kattywar.

KATTYWAR COAST, on 3 sheets. By Lieut. G. G. Constable and Midn. A. W. Stiffe, I.N. 1853. *Scale,* 2,000 *yards to an inch; size,* 44 *inches by* 35.

OKHA COAST (KATTYWAR). Surveyed by Lieut. C. G. Constable and Midn. A. W. Stiffe, I.N. 1852. *Scale,* 2,000 *yards to an inch; size,* 30 *inches by* 22.

A Trigonometical SURVEY of the ISLAND of DIU (KATTYWAR). By Lieut. R. Ethersey. 1836. *Scale,* 2 *inches to* 1 *mile: size,* 20 *inches by* 27.

India and Ceylon, West Coast.

A Survey of VIZIADROOG or GERIAH HARBOUR, by C. W. Montriou, Lieut., I.N., assisted by Mr. A. D. Taylor, Mid., I.N. 1844. With a sketch of the entrance. *Scale,* 500 *yards to* 1 *inch; size,* 25 *inches by* 29. MS.

Plan of VIZIADROOG, showing the direction and ranges of the 8-inch General Millar's 65 cwt. guns, &c., by C. W. Montriou, Lieut., I.N. *Scale,* 500 *yards to* 1 *inch; size,* 18 *inches by* 22. MS.

A Survey of ANGRIA'S BANK. By Lieuts. Selby and A. D. Taylor, Indian Navy. 1847. *Scale,* 2 *miles to* 1 *inch; size,* 24 *inches by* 21. MS.

Chart of SUDASAGHUR BAY, by A. D. Taylor, Lieut., I.N. *Scale,* 500 *yards to* 1 *inch; size,* 40 *inches by* 36. Lith.

Chart of SEDASHIGUR BAY. 1855. By Lieut. A. D. Taylor and M. A. Sweny, assisted by Messrs. E. R. May, J. B. Bewsher, and R. Williams, Indian Navy. Engraved, by J. Walker, 1861. *Scale,* 1 *inch to* 1,000 *yards; size,* 23 *inches by* 30.

Plan of the proposed PORT of SUDASEWGHUR. Lithographed at the Revenue Survey Press, Dharwar, 1855. *Scale*, 1 *inch to* 1,000 *yards; size*, 10 *inches by* 16.

Enlarged Chart of BEITKUL COVE and VICINITY. *Scale*, 250 *yards to* 1 *inch; size*, 10 *inches by* 16.

BEITKOOL COVE and CARWAR HEAD, *on a scale of* 1 *inch to* 1,000 *feet*, by Lieuts. Taylor and Williams, Indian Navy. 1858. *Size*, 52 *inches by* 29. MS.

Plan and Sections of the Breakwaters, Canal of Communication, Road, and other works included in the project for a HARBOUR in BAITKUL BAY. June 1859. *Scale*, 3½ *inches to* 1 *mile; size*, 24 *inches by* 30. MS.

Sections of the Main Breakwater and Island Breakwaters. SUDASUGHUR BAY.* *Scale*, 18 *feet to* 1 *inch; size*, 8 *inches by* 14. MS.

PLANS, signed James Abernethy, and referred to in his report of 26th October 1860:—

(1.) Proposed Breakwaters in Sedashighur Bay. *Scale*, 1,500 *feet to* 1 *inch; size*, 21 *inches by* 34.

(2.) Sedashighur Bay. Design for Breakwater. *Scale*, 8 *feet to* 1 *inch; size*, 23 *inches by* 36.

No. 2. Plan of BEITKUL COVE in SUDASAGHUR BAY. 1855. By A. D. Taylor, Lieut., I.N. *Scale*, 1 *inch to* 250 *yards; size*, 16 *inches by* 21. Lith.

Proposed BREAKWATERS in SEDASHIGHUR BAY, referred to in Report dated Oct. 26th, 1860, by Jas. Abernethy. *Scale*, 1,500 *feet to* 1 *inch; size*, 25 *inches by* 38. MS.

Lieut. Taylor's Plan for a COMMERCIAL HARBOUR in BEITKUL COVE. *Scale*, 500 *feet to* 1 *inch; size*, 22 *inches by* 29. MS. tracing cloth.

The ISLANDS, BAYS, and HEADLANDS to the SOUTHWARD of CARWAR HEAD, including Anjediva Island, which belongs to the Portuguese. 1857. By Lieut. A. D. Taylor, assisted by Messrs. May, Williams, and Lewis, Indian Navy. *Scale*, 1 *inch to* 1,000 *feet; size*, 22 *inches by* 30. MS.

TELLICHERRY FORT and ROCKS on the MALABAR COAST. By Lieut. A. D. Taylor and Mr. G. Lewis, Indian Navy. 1857. *Scale*, 1 *inch to* 100 *yards; size*, 33 *inches by* 27.

A Survey of CALICUT ROADS and the Entrance to BEYPOOR RIVER, by Lieut. C. W. Montriou, I.N., assisted by Mr. A. D. Taylor, Mid., I.N., 1846. *Scale*, 1 *inch to* 1,000 *yards; size*, 24 *inches by* 22. MS.

A Chart of the SOUTHERN COAST of INDIA and the ISLAND of CEYLON, exhibiting the Gulf of Manaar, on Mercator's Projection, by Lieut. Fergusson, I.N., F.R.A.S., Hydrographer, Indian Navy. 1856. *Size*, 30 *inches by* 40. MS.

A Chart of COLOMBO, Ceylon. Present to Capt. Horsburgh by Mrs. Crisp, Master's attendant. 1815. *Size*, 23 *inches by* 31. MS.

* Referred to in letter to Secretary of State, No. 28, of 1860.

Pamban Passage.

Trigonometrical Survey of the ISLANDS RAMESERAM and MANAAR, including Adam's Bridge between the continent of India and the island of Ceylon. By Lieuts. F. G. Powell and E. Ethersey, assisted by Lieut. J. F. Jones, Acting Lieuts. W. Christopher, and Messrs. Selby, Grieve, and King, Midshipmen, Indian Navy. *Scale,* 2 *miles to* 1 *inch; size,* 22 *inches by* 32. *With numerous soundings.* MS.

*** This chart was found in the Marine Department, Bombay, by Capt. A. D. Taylor, and brought by him to the India Office in 1874, when it was seen by Capt. Felix Jones, who wrote the following note on it:—"I have "seen this map to-day, and am greatly surprised to learn that it has not "been published with the map of the Pamben Channel engraved long "ago, and to which this map is an important accompaniment. More-"over the coast of Ceylon from 8° 50′ N. to Point de Galle on large "scales under my own hand, as well as similar large scale sheets of the "coasts of Palk Bay from Pamben to Pt. Calymere, never appear to "have been published. The question is, Where are my original sheets "deposited in the Bombay Offices for transmission to Madras in 1839?"

Plan of the PAUMBAN PASSAGE, 1834. *Scale,* 1½ *mile to* 1 *inch; size,* 16 *inches by* 17. MS.

Chart of the PAUMBUM PASSAGE and CHANNELS to the southward. *Scale,* 200 *yards to* 1 *inch; soundings in feet; size,* 49 *inches by* 40. MS.

Chart of the Passage between MANAR and CEYLAN, by John Wedgbrough, 1796. (Dalrymple.) *Size,* 20 *inches by* 26.

Chart of the Northern part of the GULF of MANAAR, by John Wedgbrough, from observations made by him and Samuel Snook, when officers in the East India Company's Cruizer Queen, in 1795 and 1796. The northern part of Ceylan and Manaar Island, from a Dutch MS. 1789. (Dalrymple.) *Size,* 26 *inches by* 34.

Sketch showing the different Plans proposed for opening a Passage through the PAUMBAN STRAITS. Signed, W. Monteith, Colonel, Chief Engineer, Dec. 20th, 1837, No. 1. *Scale,* 1½ *mile to* 1 *inch; size,* 10½ *inches by* 13. MS.

No. 3. Plan and Soundings of the Passage through the Sand-bank at PAUMBAN. MS.

No. 4. View of TONITORY from PAUMBAN. MS.

No. 5. Soundings taken in the SMALL CHANNEL, 1837. MS.

PAUMBEN PASSAGE. See FORT ST. GEORGE MARINE, No. 12 of 1845. *Size,* 15 *inches by* 10. MS.

Plan of the PAUMBAN CHANNEL through the Reefs and HORSE-SHOE BANK, taken on the 19th and 20th of June 1845. G. C. Collyer, Lieut. Assistant Civil Engineer. *Scale,* 100 *feet to* 1 *inch; size,* 22 *inches by* 58. MS.

Plan of the PAUMBEN REEF CHANNEL, with part of the ISLAND of RAMISSERAM, showing the position of the Lighthouse. Signed, Colin Gib, Lieut., 5th April 1849. *Scale,* 200 *feet to* 1 *inch; size,* 40 *inches by* 27. MS.

Chart of the PAUMBEN CHANNEL and LINE of COAST as taken by Capt. Horsley in the month of June 1850. *Scale,* 300 *feet to* 1 *inch; size,* 26 *inches by* 26. MS.

Plan of PAUMBEN CHANNEL showing the Soundings as taken by Captain Horsley in June 1850. *Scale,* 100 *feet to* 1 *inch; size,* 15 *inches by* 43. MS.

Bay of Bengal. General Charts.

Chart of the BAY of BENGAL, including plans of the Principal HARBOURS, drawn from surveys made by order of the Hon. East India Company, the Board of Admiralty, &c. By James Imray & Son. 1853. *Size,* 40 *inches by* 54.

Chart of the BAY of BENGAL, compiled chiefly from surveys of the Officers of the Hon. East India Company, by John Walker, Geographer to the Company. W. H. Allen and Co., 7 Leadenhall St., London, 1858. *On* 2 *sheets; size of each,* 40 *inches by* 27. Western sheet only.

Bay of Bengal, West Coast. Madras.

Plan exhibiting the several ANCHORAGES in the MADRAS ROADS. Inscribed to Sir John Cam Hobhouse, President, Board of Control. By John Findley Mackennie. With sections of the Breakwater, taken in May 1839, and proposals for hauling a boat or catamaran over the surf. *Scale,* 900 *feet to* 1 *inch; size,* 26 *inches by* 34. MS.

Madras Pier.

SOUNDINGS and MEASUREMENTS made at MADRAS, in January 1857, for a proposed pier, in three sections, in the vicinity of Arbuthnot's Groyne. By Elisha Howell, General Superintendent, P.W.D. *Scales,* 80 *fathoms and* 40 *feet to* 1 *inch; size,* 11 *inches by* 25. MS. tracing.

Plan and Longitudinal Section of proposed PIER at Madras. April 1859. *Scales,* 60 *feet and* 30 *feet to* 1 *inch; size,* 22 *inches by* 28. MS. tracing.

MADRAS PIER. Plan, Elevations, and Transverse Sections. Signed Frederick Johnson, January 31st, 1859. *Scale,* 10 *feet to* 1 *inch; size,* 33 *inches by* 140. MSS. 6 copies; 2 on tracing cloth, 3 on tracing paper, 1 mounted.

MADRAS PIER. Plan (of roadway) as first proposed (1856) and as now being carried out. 1858. *Scale,* 10 *feet to* 1 *inch; size,* 10 *inches by* 19. Tracings. MS.

Transverse Section of Superstructure in Main Pier. *Size,* 18 *inches by* 67. On tracing paper. MS.

Section of the MADRAS PIER, from the 42nd to the 64th Rows, showing the respective lengths of the piles and the depth to which each was imbedded in the sand on different dates. 1860–61. *Scale,* 10 *feet to* 1 *inch; size,* 16 *inches by* 37. On tracing cloth. MS.

MADRAS PIER. Plan of Roadway and Elevation of Screw Pile Pier at the shore end. Received from Mr. Gilbert, March 26, 1860. No title. *Size*, 26 *inches by* 50. MS.

Plans in connexion with the MADRAS PIER JUNCTION, dated 10th May 1861. Prepared at the request of the Pier Committee, *vide* their Chairman's Letter, No. 8, dated 17th November 1860:—

No. 1. Plan of the Junction of the Pier with the Beach Road and Sea Customs' Premises at Madras. Also showing the proposed new export sheds, and the lines of railway, position of turntables, sidings, &c. *Scale*, 16 *feet to* 1 *inch; size*, 30 *inches by* 46.

No. 2. Plan, &c. of export sheds, proposed at the Sea Customs, in connexion with the Pier, Madras. *Scale*, 16 *feet to* 1 *inch; size*, 21 *inches by* 38.

No. 3. Proposed Traverser Wagon for inside of Custom House, in connexion with the Madras Pier Junction. *Scale*, 1 *foot to* 1 *inch; size*, 16 *inches by* 20.

No. 4. Detailed plan of a panel of iron railing proposed to be erected around the new export sheds, in connexion with the Madras Pier Junction. *Scale*, 1 *foot to* 1 *inch; size*, 16 *inches by* 20.

No. 5. Plan of a gateway proposed for the Sea Customs and Pier Junction at Madras. *Scale*, 1 *foot to* 1 *inch; size*, 24 *inches by* 28. On tracing cloth. MSS.

Madras Breakwater.

Mr. R. Chisholm's Design for a BREAKWATER at MADRAS:—

(1.) Map of the Madras Roads showing proposed Breakwater (from a Chart surveyed by Lieut. M. A. Sweny, Indian Navy, dated 1859). *Size*, 18 *inches by* 23.

(2.) Cross Section of Breakwater in 7 fathoms. *Scale*, 6 *feet to* 1 *inch; size*, 19 *inches by* 25.

(3.) Elevation of proposed Breakwater, showing the various stages of the process of construction. *Scale*, 6 *feet to* 1 *inch; size*, 20 *inches by* 25.

(4.) Diagrams showing the effect of waves, and the comparative sections of two different forms of breakwaters. *Scale*, 20 *feet to* 1 *inch; size*, 19 *inches by* 27. On tracing cloth. MSS.

Chart of the MADRAS ROADS, showing the position of the proposed Breakwater. Designed by M. de Cloolts and Col. Orr, and approved by Committee. 1869. *Scale*, 300 *feet to* 1 *inch; size*, 72 *inches by* 37. On tracing cloth. MS.

MADRAS BREAKWATER. Committee's Report. Detail Drawing of Pier proposed to be constructed in front of the Railway Terminus, to facilitate the construction of the Pier (? breakwater). *Scale*, 4 *feet to* 1 *inch; size*, 46 *inches by* 36. On tracing cloth. MS.

Design for ARMED BREAKWATER for MADRAS. Signed George Wells, C.E. *Size*, 28 *inches by* 24. On tracing cloth. MS.

Designs for a Harbour at Madras.

Design for an ENCLOSED HARBOR at MADRAS, by T. M. Rymer Jones. 1868.

No. 1. General Plan. *Scale*, 300 *feet to* 1 *inch; size*, 22 *inches by* 26.

No. 2. Elevations of Breakwaters. *Scale*, 80 *feet to* 1 *inch*. With an enlarged view, *on a scale of* 10 *feet to* 1 *inch; size*, 22 *inches by* 34.

No. 3. Sections of Jetties. *Scale*, 8 *feet to* 1 *inch; size*, 23 *inches by* 33.

No. 4. Comparative Sections of various breakwaters adapted to Madras. *Scale*, 40 *feet to* 1 *inch; size*, 22 *inches by* 27. On tracing cloth. MSS.

Mr. Taylor's design for a BOAT HARBOUR at MADRAS, on 2 Sheets. *Size of each, about* 10 *inches by* 14. On tracing cloth. MSS.

Design for an ENCLOSED HARBOUR at MADRAS, proposed by Mr. William Fraser, C.E. December 1868.

(1.) Map of part of Madras, with general plan of Enclosed Harbour, and Section and Elevation of Jetty. *Scales, various; size,* 36 *inches by* 48, *with an attached slip.*

(2.) Drawing of Soundings taken at different times alongside the Screw Pile Pier, Madras, showing the variation in the bed of the Sea from the shifting of loose sand. *Scales,* 10 *feet and* 5 *feet to* 1 *inch; size,* 14 *inches by* 128. On tracing cloth. MSS.

Design for a proposed HARBOUR for MADRAS, by Samuel Parkes, C.E. Novr. 30th, 1868. *Scale,* 300 *feet to* 1 *inch; size,* 28 *inches by* 41. On tracing cloth. MS.

MADRAS ROADSTEAD. 1876. *See* India Marine Charts, page 595.

Survey of part of the CORAMANDAL COAST from ENNORE to ARMOGHAM, including the Pulecat and Armogham Shoals, by Lieut. W. Fell, I.N. 1846. *Scale,* 2,000 *yards to* 1 *inch; size,* 57 *inches by* 26. MS.

Survey of the WESTERN COAST of the BAY of BENGAL from NIZAMPALAM to CORINGA, also of part of the RIVERS KISTNA and GODAVERY, made under the superintendence of the late Marine Surveyor, Mr. Michael Topping. Signed, J. Goldingham, Marine Surveyor. 1796. *Scale,* 2½ *miles to* 1 *inch; size,* 38 *inches by* 53. MS.

A Plan of the FLAT in CORINGA BAY. By Lieut. John Warren. 1805. *Scale,* 4 *inches to* 1 *mile; size,* 19 *inches by* 27. MS.

Chart of CORINGA BAY, surveyed by Lieut. Wm. Fell, I.N. 1846. *Scale,* 1,000 *yards to* 1 *inch; size,* 31 *inches by* 25. MS.

An old Sketch of the COAST on the north and south of VIZAGAPATAM. *Size,* 15 *inches by* 9. MS.

Plan of the PORT and ROADSTED of VIZAGAPATAM, by Richard John Colgrave, Captain Supg. Engineer. Jan. 12, 1807. With a view of the sand in 9 fathoms sounding. *Scale,* 4 *inches to* 1 *mile; size,* 19 *inches by* 29. MS.

Part of the COASTS of BENGAL and ORIXON, with Soundings by Plasted. See Sect. Cons. 17th Oct. 1776. MS.

Part of the COAST of ORISSA, surveyed February 1778 by John Ritchie. Between Marsipore River and Kannaka River, Point Palmyras. *Scale,* 2 *miles to* 1 *inch; size,* 19 *inches by* 45. MS.

A new Plan of Part of the COAST of ORISSA, surveyed by Robt. Knox. 1805. No. 2. Between Juggernaut Pagoda and the Mahanndi River. With notes and observations. *Scale,* 1 *mile to* 1 *inch; size,* 39 *inches by* 60. MS.

Survey of the ISLAND of MYPURRAH, the eastern extremity of Point Palmyras. With reference to a site for a lighthouse. By Capt. H. Carmichael Smyth. 1812. *Scale*, 50 *yards to* 1 *inch; size*, 23 *inches by* 26. MS.

Survey of the BAY of BENGAL from GANJAM to CHITTAGONG, by John Ritchie. 1768–1770. No title, &c. In two pieces. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 110. MS. *See* page 548.

Bay of Bengal, Head of the Bay.

A Chart of the Head of the BAY of BENGAL, from surveys taken in the years 1768, 1769, and 1770, by John Ritchie, Surveyor. Drawn by J. Rennell, Surveyor-General. With a plan of Bominy Harbour (Fenny River) on the coast of Chittagong, 1770, enlarged. *Scale*, 5 *miles to* 1 *inch; size*, 34 *inches by* 63. MS.

A Chart of the COAST of BENGAL, surveyed in the years 1767, 1768, and 1769, by Messrs. Plaisted and Ritchie. Drawn by J. Rennell, Surveyor General. *Scale*, 4 *miles to* 1 *inch; size*, 36 *inches by* 66. MS.

A Chart of the NORTHERN PART of the BAY of BENGAL, laid down chiefly from the surveys made by Bartholomew Plaisted and John Ritchie. Published by Alex. Dalrymple, 1772. *Scale*, 20 *miles to* 1 *inch; size*, 20 *inches by* 26.

Chart of the NORTHERN PART of the BAY of BENGAL, compiled from the most recent surveys by Commander Richard Lloyd, I.N., Officiating Marine Surveyor-General. 1840. With notes. *Scale*, 8 *miles to* 1 *inch; size*, 26 *inches by* 60.

Gulf of Bengal. PALMYRA POINT to CHITTAGONG. By Capt. Richard Lloyd, Indian Navy, 1840. With the following insertions:—1. A sketch map of the Bar of the River Hooghly from the latest surveys of Mr. A. Bedford, November 10, 1854, published with the Report, &c. of the Committee appointed by Lord Dalhousie to inquire into the state of the Hooghly. 2. Chart of Akyab, the port of the Arracan Rivers. 3. Sketch map of the Tea and Coal localities in Assam, also Coaling Stations of Government Steamers on the Bramaputra above Dacca, with distances. Also notes on trade and navigation. *Scale*, 10 *miles to* 1 *inch; size*, 27 *inches by* 40.

A Survey of the REEF and POINT of PALMIRAS. By Capt. Charles Court, Marine Surveyor in Bengal. Horsburgh, 1817. *Size*, 27 *inches by* 33.

A Survey from FALSE POINT, PALMIRAS, to SAUGER ROADS, including the track frequented by ships to the Sea Reefs, and exhibiting the Tails of the Reefs, Sauger Sand, the Eastern Channel, and Lacam's channel. By Capt. W. Maxfield, 1st Assistant to the Marine Surveyor-General. Copied by John Mustie, 26th Nov. 1818. Horsburgh, 1819. Corrected to 1838. *On* 2 *sheets; size of each*, 40 *inches by* 27.

Part of BENGAL BAY, including part of the Sunderbunds. An old chart without title or date. *Scale*, 2 *miles to* 1 *inch; size*, 21 *inches by* 60. MS.

COAST of BENGAL, No. 1, with time of High Water at full and change, direction of Flood Tides and Soundings, by Plaisted. Drawn by J. Rennell? No date. *Scale*, 4 *miles to* 1 *inch; size*, 26 *inches by* 40. MS.

A Survey of the COAST of CHITTIGAN, and the River up to DACCA, in the year 1761, by Bartholomew Plaisted. *Scale*, 4 *miles to* 1 *inch; size*, 40 *inches by* 31. MS.

Bay of Bengal, East Coast.

Chart of the EAST COAST of the BAY of BENGAL, and of the GULF of MARTABAN and ANDAMAN ISLANDS; showing the Lighthouses erected on the Coast of British Burma, with the characters of the lights exhibited. Arranged by Lieut.-Col. Fraser, &c. Accompaniment to British Burmah, P. W. D. letter, dated 8th October 1869. *Size*, 32 *inches by* 66. On tracing cloth. MS.

Plan of the COCOS (KEELING) ISLANDS. No date. From a note on the chart it appears to be compiled from the surveys of Capt. J. C. Ross, and the officers of H.M.S. Cruizer, 1829. This copy is a tracing by Mr. Carrington from a chart in the Marine Survey Office, Calcutta. *Size*, 15 *inches by* 20. MS.

* * * COCOS and PREPARIS CHANNELS * * * in the Andaman Islands. By M. E. Matthews, Commander of H.M.S. Alexandra. *Scale*, 3 *miles to* 1 *inch; size*, 32 *inches by* 40.

LITTLE COCO ISLAND. Enclosure B. to Letter No. 19 of 1874, from Commander A. D. Taylor to India Office. *Size*, 29 *inches by* 21. MS.

Malacca Straits.

A Chart of the WEST COAST of the MALAY PENINSULA, from Junk Seylan nearly to Malacca. No title or date. *Size*, 30 *inches by* 48. MS.

The COAST of QUEDA and JUNK CEILON ISLAND. No title or date. *Scale*, 2 *miles to* 1 *inch; size*, 30 *inches by* 26. MS.

Survey of the COAST of QUEDA between PULO PENANG and the LANCAVA ISLANDS. By Lieut. H. Jackson, H.M.I.N., commanding H.M. Surveying Vessel "Krishna," assisted by Messrs. Laycock, Reid, Lemon, and Hodges. 1861. Original plot. *Scale*, 4 *miles to* 1 *inch; size*, 27 *inches by* 39. MS.

The MALAY COAST, between PENANG and LANCAVY, including QUEDAH, with the soundings. Copied from the survey by Lieut. H. Jackson, I.N. 1861. Enclosure A. to Letter No. 19 of 1874, from Comr. A. D. Taylor to India Office. *Scale*, 4 *miles to* 1 *inch; size*, 23 *inches by* 34. MS.

Map, from JAN SYLAN to QUEDA, by Thos. Forrest, surveyed by order of the Hon. Warren Hastings and his Council. *Scale*, 10 *miles to* 1 *inch; size*, 24 *inches by* 21. MS.

PERAK, MALAY PENINSULA. An original map of the Pera (Perak) River. *Scale*, 10 *miles to* 1 *inch; size*, 14 *inches by* 11. MS.

The survey of the Strait of Singapore is respectfully inscribed to the Hon. Colonel Rutterworth, C.B., Governor, &c., by Samuel Congalton, Commander H.C. steamer "Diana," and J. T. Thomson, Government Surveyor, 1846–55. On 2 sheets. *Scale*, 1⅓ *to* 1 *inch; size*, *inches by* 74.

Chart of the VICINITY of the HORSBURGH LIGHTHOUSE, and adjacent MALAYAN COAST. J. T. Thomson, Government Surveyor, 1851. *Size*, 8 *inches by* 11.

This survey of the STRAITS of SINGAPORE is respectfully inscribed to the Hon. Colonel Butterworth, C.B., Governor of Prince of Wales Island, Singapore, and Malacca, by * * Samuel Congalton, Commr. H.C. Steamer Diana, and J. T. Thomson, Government Surveyor, 1845. Additions to 1855. *On 2 sheets; size,* 80 *by* 27; *scale,* 1·3 *mile to* 1 *inch.*

Chart of a TRACK in the GULF of SIAM. No title or date. *Size,* 14 *inches by* 17. MS.

Asiatic Archipelago.

PLAN of a Harbour bearing W. ¼ S. of PULO TIMOAN (East Coast of Malay Peninsula), lat. 2° 43′ N. By Arch. Blair. *Size,* 14 *inches by* 21. MS.

A CIRCULAR VIEW of a Harbour formed by a cluster of Islands bearing W. ¼ S. from the south end of PULO TIMOAN, by Jno. Wales, 1787. *Size,* 14 *inches by* 11. MS.

PLAN of the Bay and River of SIAC, now KING GEORGE'S, on the Island of Sumatra, surveyed by orders of the Hon. the Governor and Council of Prince of Wales Island, as surveyed in the year 1808 and 1809, by Mr. F. Linch, and laid down on a smaller scale by Jerh. MacCarthy, Surveyor to Government. *Size,* 31 *inches by* 51. MS.

The CHART of the Straits of DURIAN, &c., by W. S. Collinson, Hawkins, and Moresby, Lieuts. of the Bombay Marine, 1822. *Size,* 38 *inches by* 29. MS.

To the Hon. the Court of Directors, &c. CHARTS of the East, North, and North-west Coasts of BANCA, by James J. Robinson, Lieut., Bombay Marine, 1817. *Size,* 30 *inches by* 52. MS.

Unfinished SURVEY of the South Coast of BANCA, by Lieut. J. Robinson, H. C. Bombay Marine, 1817. *Size,* 21 *inches by* 25. MS.

PLAN of the Straits of BALLY . . . by John Crawford, Lieut. B. Marine. *Size,* 20 *inches by* 15. MS.

BAY of MABA, in the Island of Gelolo, surveyed by Mr. Greig, Commander of the ship "Lord Minto." 1808. *Size,* 19 *inches by* 26. MS.

CHART of MACASSAR, with the Islands and Shoals adjacent, as laid down from observations made in 1814, by John Crawford, Lieut., B. M. With a sketch of Macassar from Gt. Lyly. *Size,* 21 *inches by* 29. MS.

CHART delineated by Capt. D. Ross, Company's Marine Surveyor, on his passage in the Charles Grant. Chiefly from his own surveys. His homeward Track from China in 1819, off BINTANG and LINGIN to BANCA STRAIT. *Size,* 30 *inches by* 22.

CHART of the West Coast of BORNEO, with the Track of H.M.S. "Modeste," 1811. *Size,* 29 *inches by* 22. MS.

The REEFS and BAY of DHELY, in the Island of Timor, surveyed by Capt. J. Welsh, Sept. 1818. *Size,* 18 *inches by* 24. MS.

CHART exhibiting the Track of the H. C. brig "ANTELOPE," on the Coast of PALAWAN, in 1810, &c., by Lieut. D. Ross, Bombay Marine. With additions in MS. *Size,* 31 *inches by* 22.

CARTA ESFERICA del ESTRECHO de Sn. Bernardine, etc. The Eastern and Western Entrances by Don Juan Vernacci, of the Spanish Navy, in 1804 to 1807. Procured at Manilla in 1809, by Lieut. Philip Maughan. 2 *sheets, Size of each about* 28 *inches by* 36.

PLAN of Town and Harbour of CAVITE and the Castle of ST. PHILIP, drawn by Wm. Stevenson, Engineer. 1763. *Size,* 15 *inches by* 19. MS.

China Sea, Cochin China.

Plan des ports des XUAN DAI, VUNG LAM, et VUNG CHAO, situes dans la Province de Phuyen. 1793. No. 9. *Size,* 23 *inches* by 33. MS.

China Sea, Paracels Islands.

CHART of the PARACELS surveyed by Daniel Ross and Philip Maughan, Lieuts. H.E.I.C. Bombay Marine. 1808. *Size,* 36 *inches by* 22. MS.

CHART exhibiting the TRACKS of the "DISCOVERY" and "ANTELOPE," with the exact situation of the Paracels, by Daniel Ross and Philip Maughan. 1808. *Size,* 50 *inches by* 27.

WESTERN GROUP of the PARACELS, by Daniel Ross, Lieut. B.M. 1808. *Size,* 30 *inches by* 22. MS.

Plan of the AMPHITRITE ISLANDS, composing part of the PARACELS, by Daniel Ross, Lieut. B.M. 1808. *Size,* 28 *inches by* 18. MS.

Chart of the Track of the ship PRINCESS AUGUSTA, Capt. Thomas Baddison, by the Pitt's Passage, 1761. Dalrymple, 1788. *Size,* 13 *inches by* 19.

Chart of Capt. Torin's Track between SAPY STRAIT and DAMPIER STRAIT or SUMBAWA and NEW GUINEA. No title. Dalrymple, 1799.

China.

Survey of Part of the SOUTH COAST of CHINA * * * by Daniel Ross and Philip Maughan, Lieuts. B.M. 1807. No. 1. *Size,* 31 *inches by* 45. MS.

Plan of the TIEN PIEN or TIEN PACK HARBOUR, on the South Coast of China, by Lieut. Ross, B.M. 1807. *Size,* 22 *inches by* 35. MS.

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Plan of part of the CANTON RIVER, from the Lower Shoal of the First Bar to Danes Island. *Scale*, 400 *feet* to 1 *inch; size*, 58 *inches by* 53. No title or date. MS.

A Sketch by Compass of the HARBOUR of TCHUSAN, by J. Barrow. 1793. *Size*, 15 *inches by* 18. MS.

A Sketch of the HARBOUR of TCHUSAN, as it appears from the middle of the basin, by J. Barrow. 1793. *Size*, 15 *inches by* 18. MS.

Compass CHART of the YANG TSE KIANG, from Great Bush to Nankin, by E. Roberts, Acting Master, Sesostris. 1842. *Scale*, 1 *mile* to 1 *inch*. In two parts. *Size*, 28 *inches by* 85. MS.

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The Collection of these Charts at the India Office was presented by the Admiralty, and is denoted in a marked copy of the Admiralty Catalogue. As that Catalogue is published there is no object in reprinting a part of it here.

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A TREATISE of MARITIM SURVEYING, in two Parts; with a Prefatory Essay on Draughts and Surveys, by Murdoch Mackenzie, Senior, late Maritim Surveyor in His Majesty's Service, London, 1774. 4to., half bound.

ELEMENTS of NAVAL ARCHITECTURE. 39 plates. No title, date, &c. Folio, oblong, half bound.

MÉMOIRE sur la CÔTE et les Ports de COCHINCHINE pour servir d'Instruction à la Collection des cartes et plans de J. M. et Fx. Dayot, par J. M. Dayot, Capitain des Vaisseaux du Roi de Cochinchine, 1779, Fcap., xviii, and 68 pages, unbound, MS.

OBSERVATIONS taken on board H.E.I.C. Ship "DISCOVERY," by Daniel Ross, in 1808. Quarto, half bound, MS.

DIRECTIONS intended to accompany the Chart of the South Coast of CHINA. Printed by order of the Court of Directors, Dec. 1808. By Daniel Ross and Phillip Maughan, Lieutenants of the Bombay Marine Telegraphic Signals, or Marine Vocabulary, by Sir Home Popham &c. Printed for the use of the Honourable East India Company. London, 1810. Quarto, half bound.

COMMERCIAL and MILITARY SIGNALS for the SHIPS in the Service of the Hon. East India Company. London, Dec. 1813. Quarto, half bound.

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Plans of H.E.I.C. IRON PILOT BRIG, by John Laird; with a Memorandum as to sundry fittings. Dated 18th June 1842.

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No. 2. Plans of upper and lower decks; and No. 1 of cabin and forecastle.
No. 3. No. 2 of cabin and forecastle.

New Plans, dated 8*th August* 1842.

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No. 3, new. Plan of lower deck.
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Troop Barge.

No. 1. General Plan and Lines for TROOP BARGE for the Rivers Ganges and Indus, prepared in conformity with report of Boat Commission.

No. 2. Detail sections. By T. B. Winter. 1858.

Plan of the Between Decks of a FLAT for accommodation of 100 troops and five officers.

Tigris River Trading Boat.

Plans and view of a Boat, called the "HINDIYEH," trading in the River Tigris. By Felix Jones. *Size,* 24 *inches by* 36. MS.

Steam Vessels by the Company's Officers.

Plan of a STEAMER to receive Engines of the same power as "Berenice's." By the Controller and Head Builder, Bombay Dockyard. The original plan submitted by Capt. Wilson, and alluded to in Controller and Builder's Letters to the Superintendent, No. 9 of 1838, Feb. 1st.

Another copy, being the plan on which the "VICTORIA" was actually built, with a slight exception.

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Plans of the STEAM FRIGATE of WAR "AUCKLAND," launched in Bombay 9th January 1841. On three sheets.

Plans of the H.E.I.C. STEAM FRIGATE "ZENOBIA." Bombay Dockyard. March 1850. Cussetjee Rustemjee, Master Builder.

1. Plan of the Engine Room and Sleepers.
2. Elevation and Upper Deck Plan, showing the position of the paddle beams, carlings, &c.
3. Sections.

Steam Vessels by Contractors.

Plans of the STEAMSHIP "INDIA." By Scott, Sinclair, & Co., Greenock. 1840.

1. A drawing of the Steamship "India."
2. Plan of cabins, &c.
3. Sheer draught and profile.
4. Side elevation of one of the engines.
5. A siew of the saloon.
6. Boilers with Hall's Patent Still.
7. Plan of engines.

Plans of the STEAMSHIP "MEMNON." By S. Ritherdon. 10th June 1840. Engines by Maudslay.

1. Draft of a Steam Vessel of 1,125 $\frac{33}{64}$ tons. By S. Ritherdon. 10th June 1840.
2. Plans of the upper and lower decks.
3. Profile of inboard works.
4. Fore and aft Platforms.
5. Drawing showing the manner of stowing the Tanks in the H.E.I.C. Steamship "Memnon."
6. Comparison of the Boilers of the "Memnon" with those in the "Sesostris," "Cleopatra," and "Auckland."

A. 1. Drawing of the manner of placing a pair of Double Cylinder Engines of the ultimate power of 400 horses in a vessel for the H.E.I.C., by Maudsley, Sons, and Field. August 1840.
B. 2. Another with the same title. March 1841.
C. 3. Drawing showing the sleepers of the H.E.I.C. Steam Vessel "Memnon." March, 1841.
D. 4. Another with similar title to A 1. Dated June 9, 1841.

An Anonymous Collection of DRAWINGS of Steamship and Marine Engines.

River Steamers and Steam Bridges for the Ganges and Bramaputra.

Map of the RIVER HOOGLY, with a design for a Steam Ferry Bridge for connecting its shores at Calcutta. To accompany a private report by Andrew Henderson, Esq., and Charles Greaves, Civil Engineers.

Map of the HOOGLY, with the CITY and PORT of CALCUTTA, showing the site of the proposed Docks, the present anchorage and moorings, and the line of the railway to the north and west. Signed, And. Henderson and Charles Greaves, Dec. 20, 1853.

RAILWAY STEAM BRIDGE, by R. Napier, Glasgow, June 1849. On 2 sheets.

A draught for building an IRON STEAM FERRY BOAT for use on the RIVER GANGES at BENARES. Accompaniment to Letter No. 92 of 3rd Oct. 1855, from Chief Superintending Engineer of the Kidderpore Steam Foundry.

Comparative Plans of STEAMERS, TUGS, and TOW-BOATS established and proposed on the BENGAL RIVERS. By A. Henderson. 1861–63.

River Steamers and other Boats for the Indus and Punjab.

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Plan of ACCOMMODATION BOAT for the SUTLEDGE. Miller, Ravenhill, and Co., London. 23rd December 1843. MS.

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Plan of H. E. I. Co.'s STEAM VESSEL "LOODIANAH" as now fitted, with another plan of the vessel as proposed to be altered. Tracing. MS.

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STEAM TUG BOAT. By Lieut. Heywood, R.E.

1. "La Ville de Sens" Steamboat, plans of Vessel and Engines.
2. Cable Tug of 15 horse-power, Tug No. 1.
3. Cable Tug of 20 horse-power, Tug No. 2.

WINTER'S UPPER RIVER STEAM TUG.

1. General Plan and Lines for Upper River Steamer prepared in conformity with "Report of Boat Commission." By T. B. Winter, M.I.C.E. February 7th, 1859.
2. Detail sections.
3. Details of fore and aft girders.
4. Engines.
5. Boilers.

Steam Dredges.

The Honourable Trinity Corporation's DREDGING VESSEL, No. 2.

1. Elevation of Vessel; Plan of Ladders and Machinery below; Links; Saddle; Roller, and Buckets.
2. 20 horse-power Steam Engine.
3. Side Elevation of Driving Gear; Front Elevation of Driving Gear, with Roller and Friction Gear in section.

Design of an IRON DREDGING BOAT for the Service at ADEN, prepared in accordance with the Commander-in-Chief's Memorandum, No. 3301, dated 16th October 1858. In Marine Letter from Bombay, No. 11, Feb. 9th, 1859.

Boilers.

Front End View of the BOILER STEAMER PROGRESS, of MADRAS. Showing the Position of the Water Gauge and Steam Cocks. Oct. 4, 1860.

Also, a Transverse Section.

Section of BOILER of Forrester's Canal Steam Tugs. Madras, 1860.

TUBULAR BOILER for the Snake. 1851.

Plan of the New Zenobia's BOILERS.

Plan and Elevation of the Meteor's BOILERS.

Plan, Elevation, and Cross Section of BOILER for Euphrates' Engines.

New BOILERS for the Queen. 25th August 1851.

Plan of the Satellite's BOILERS.

Plan of the Nimrod's BOILERS.

New BOILERS for the Moozuffer. 12 April 1850.

Marine Engines.

Plan of a Pair of Fawcett, Preston, and Co.'s Patent Direct-acting STEAM ENGINES of 500-horse-power. With side views. Two sheets and separate description on fcp. Liverpool, 10th December 1844.

Plans of a MARINE ENGINE by George Forrester and Co., Liverpool, November 25th, 1851. No titles. On three sheets.

Drawing of a Pair of Patent Double-cylinder MARINE ENGINES, of the collective power of 500 horses, for the Hon. East India Company. By Maudsley, Sons, and Field. London, December 11, 1851. On two sheets.

Plans of a MARINE ENGINE, by R. Napier, Glasgow, 24th November 1851. On two sheets. Also, a plan of feathering wheels fixed on by the Royal Mail Steam Packet Company.

Plan, Sections, and Elevations of a Pair of Oscillating ENGINES of 500 horse-power. For a Steam Frigate for the Honourable East India Company. By John Penn and Son, Greenwich, 11th December 1844. On two sheets. Also, sketches showing mode of making Patent Feathering Paddle Wheels, and a method proposed for disengaging Paddle Wheels. On 2 sheets.

Plans of proposed Oscillating ENGINES, and proposed Side-lever ENGINES, for the Honourable East India Company. By Scott, Sinclair, and Co., Greenock, 24th November 1851. On four sheets.

Plan of ENGINES proposed for the Steam Vessels to be built for the Honourable East India Company. By Seaward and Capel, December 11th, 1844.

Plan of J. Seaward's TUBULAR BOILER, December 11th, 1844.

A. B. Plan of a Pair of BEAM or SIDE LEVER ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

M. N. Plan of a Pair of DIRECT-ACTION or GORGON ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

Y. Z. Plan of a Pair of OSCILLATING ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

Plan of a FEATHERING PADDLE WHEEL, 36 feet diameter, adapted for the vessel of 1,800 tons building for the Hon. East India Company. Proposed by Seaward and Capel. November 26th, 1851.

LIGHTHOUSES.

Alguada Reef.

Elevation and Section of a LIGHTHOUSE of granite proposed for the ALGUADA REEF, from the design of that erected on the Rocks of Skerryvore, by Alan Stevenson, Esq. Plates 1 and 2. On two sheets. MS.

Elevation and Section of a LIGHTHOUSE of iron and concrete designed for the ALGUADA REEF by Lieut. A. Fraser, Bengal Engineers. Plates 3 and 4. On two sheets. MS. tracings.

Monapalliam.

MONAPALLIAM LIGHTHOUSE. Plans of the top of the Tower. Signed William Fraser, C.E. June 1868. On 2 sheets.

Cannanore.

Plan of CANNANORE FLAGSTAFF (and LANTERN), dated 1st June 1868. Also another, dated 1st October 1868. Signed, G. W. Walker, Colonel, R.E., Superintending Engineer, and H. Bailey, Assistant Engineer. On 2 sheets.

Tellichery.

Plan of TELLICHERRY FLAGSTAFF and LANTERNS. 1st June 1868. Signed, G. W. Walker, Colonel R.E., Superintending Engineer.

Masulipatam.

Plan of the Upper Rest of the Flagstaff at MASULIPATAM. 6th February 1868.

Plan and Elevation of the Flagstaff in the FORT of MASULIPATAM. 7th October 1868.

Tuticorin.

Proposed Top, Plan, and Elevation of the Lighthouse at TUTICORIN. 13th April 1868.

Point Divi (Kistna River).

Plan, Section, and Elevation of the Top of DIVI (Kistna River) Lighthouse. 6th February 1868.

Santapilli (Vizagapatam District).

Plans, Sections, and Elevation of the Lighthouse at SANTAPILLI as it was before the storm.

Cape Comorin.

Sketch of the proposed Lighthouse at CAPE COMORIN. 26th July 1868.

Negapatam.

Elevation of upper portion of Light Column proposed to be built at NEGAPATAM. 4th January 1868.

Mangalore.

Top of MANGALORE LIGHTHOUSE. Present position of Lantern.

Pulicat.

Sketch in Plan and Elevation of the PULICAT LIGHTHOUSE and Offices. 28th February 1868.

Bombay.

BOMBAY HARBOUR, with the position of the new Lighthouse then building on the south-west prong of COLABA, and of the Light required by Nautical Men on the edge of the shoals extending therefrom. 21st September 1871.

DOCKS.

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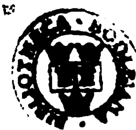
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ALPHABETICAL INDEX.

* This is not identified as a place, but the word is applied to half-castes in Ladak.



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